



RESULT 2  
US-09-328-111-371/c  
; sequence 371, Application US/05/428111  
; Patent No. 6363223

Query Match:	58.2%	Score 335.2	DB 4,	Length 615
Best Local Similarity	86.9%	Pred. No. 1e-100;		
Matches 410, Conserved 156		0, Mismatches 56,	Indels 6,	Gaps 4

RESULTS 3  
US-08-894-251A-1  
Sequence 1, Applied 100 US/080894251A  
Date of Use: 08/08/2008

Query Match 56.0%; Score 322.8; 09.4; Length 974;  
Best Local Similarity 74.2%; Pred No 1 6e-96;  
Matches 439; Conservative 0; Mismatches 127; Indels 10; Gaps 3.

59	1	ATGGCTACGCTGACCTACCTGCGATAAATGAAATGGAGAAAGCAAGCTGGGCGGCGGCG	60
66	293	ATGGCTACGCTGACCTACCTGCGATAAATGAAATGGAGAAAGCAAGCTGGGCGGCGGCG	352
67	61	AAGATATGTGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAAT	120
68	353	AAGATATGTGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAAT	406
69	121	GGTTAAACACACAGCTTTGGGAAAACATACCAAGCCGATACAGCCCTGCTGCTGCTGCTGCTG	180
70	407	GGTTAAATGTGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAATGTAAAT	463
71	181	ACAAATGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	240
72	464	AGCAAGCTGTTGGGCACTGTCTAATAGATTTATCTGAAAAGCCACTGACACAGTACGTAAACCC	523
73	241	AGAAATGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	300
74	524	CTGCTAAATGCTAAATAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	583
75	401	AAAACTGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	460
76	584	CTAAATGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	643
77	361	AATCTGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	420









```

STRANDEDNESS: double
TOPOLOGY: not relevant
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 363..4298
US-08-811-492-2

Query Match
Best Local Similarity 55.3%; Score 32.4; DB 2; Length 4707;
Pred. No. 2;
Matches 63; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

UY 307 TCTGTTCCTGCTGACATGACGCGCATGCGCAAAATACAAAATCTTCCTTCATCTT 366
DB 2243 TCTGTTCCTGCTGACATGACGCGCATGCGCAAAATACAAAATCTTCCTTCATCTT 2224
UY 367 CTAAATTTGAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 420
DB 2223 GAACTTTTACCTGATCTTGGAACTTGGAACTTGGAACTTGGAACTTGGAACTTGGAACTT 2170

RESULT 13
Sequence 2, Application PC/7859610545A
GENERAL INFORMATION:
APPLICANT: GOMH, DONALD G.
APPLICANT: PERIER, FRANTINE B.
APPLICANT: JACK, WILLIAM E.
APPLICANT: XU, MING-QUN
APPLICANT: HOBBS, ROBERT A.
APPLICANT: NOKEN, CHRISTOPHER J.
TITLE OF INVENTION: MODIFIED PROTEINS AND METHODS OF THEIR
NUMBER OF SEQUENCES: 77
CORRESPONDENCE ADDRESS:
ADDRESS: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS, INC.
STREET: 32 TEEZER ROAD
CITY: HEVERLY
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01915
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10545A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/690,555
FILING DATE: 29-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/494,217
FILING DATE: 28-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/146,885
FILING DATE: 03-NOV-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,139
FILING DATE: 09-DEC-1992
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAMS, GREGORY D.
REGISTRATION NUMBER: 30901
REFERENCE/DOCKET NUMBER: NEB-036C2
TELECOMMUNICATION INFORMATION:

```

```

TELEPHONE: (508) 927-5354
TELEFAX: (508) 927-1700
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4707 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 363..4298
PCT-US96-10545A-2

Query Match
Best Local Similarity 55.3%; Score 32.4; DB 2;
Pred. No. 2;
Matches 63; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

UY 307 TCTGTTCCTGCTGACATGACGCGCATGCGCAAAATACAAAATCTTCCTTCATCTT 366
DB 2243 TCTGTTCCTGCTGACATGACGCGCATGCGCAAAATACAAAATCTTCCTTCATCTT 2224
UY 367 CTAAATTTGAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 420
DB 2223 GAACTTTTACCTGATCTTGGAACTTGGAACTTGGAACTTGGAACTTGGAACTTGGAACTT 2170

RESULT 14
US-08-220-958-1
Sequence 1, Application US/09-20958
Patent No. 5459072
GENERAL INFORMATION:
APPLICANT: McKay, Larry
APPLICANT: POLZIN, Kayla
TITLE OF INVENTION: PEPTIDE-SCALE INTERACTION VECT
TITLE OF INVENTION: IMMUNOLOGICAL ANTIGENIC STIMUL
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: MERCHANT N. PHILL
STREET: 3100 NO. 5459072 RD
CITY: MINNEAPOLIS
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/0958
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/011,642
FILING DATE: 25-FEB-1992
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Kowalczyk, Alan W.
REGISTRATION NUMBER: 41,545
REFERENCE/DOCKET NUMBER: 600-229-US-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5400
TELEFAX: 612-332-5081
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1506 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (mRNA)

```

ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Lactococcus lactis subsp cremoric  
STRAIN: SK11  
IMMEDIATE SOURCE:  
CLONE: ORI Site/OPEN Reading Frame of Peflication  
POSITION IN CHROMO:  
UNITS: bp  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 345..1496  
US-08-220-958-1

Query Match 5.5%; Score 31.8; DB 1; Length 1506;  
Best Local Similarity 53.7%; Pred. No. 1.7;  
Matches 66; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 264 TTTCTGCCCAAAAGATCCGACAGCTGTAAACAAAGCTCTCTGCTCAGA 323  
DB 992 TTTTGAATAAAGATATTAAGATGCAATTAAGAAATATTTCTTACTATTAA 1051  
QY 324 TGAAGCTATCCAGAAATAGAAAAATCTTCCCTTCACTCTAGACITTAGAGTT 383  
DB 1052 TCTTGAGATATAAATAAATAAAGACGCTCAATTCATTCATTCATTCATTA 1111  
QY 384 TGA 386  
DB 1112 TAA 1114

## RESULT 15

US-07-638-431-1/C

Sequence 1, Application US/07638431

Patent No. 5198535

GENERAL INFORMATION:

APPLICANT: Hoffman, Stephen L.

APPLICANT: Charonvitt, Yupin

APPLICANT: Hedstrom, Richard

APPLICANT: Khusmith, Srisin

APPLICANT: Rogers IV, William O.

TITLE OF INVENTION: Protective malaria sporozoite surface protein

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: A. David Spevack

STREET: NMDC Building 17-12 National Naval

STREET: Medical Center

CITY: Bethesda

STATE: MD

COUNTRY: USA

ZIP: 20814-5044

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/638,431

FILING DATE: 19910110

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Spevack, Avrom D.

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 295-6759

TELEFAX: (301) 295-4033

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 4673 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: N  
ANTI-SENSE: N  
ORIGINAL SOURCE:  
ORGANISM: Plasmodium yoelii  
STRAIN: 17X(NL)  
UNIVERSITY: STAGH, erythrocytic stage  
TISSUE TYPE: blood  
CELL TYPE: erythrocytic stage  
IMMEDIATE SOURCE:  
LIBRARY: Py-lambda9.11-2-7 kb genomic expression  
CLONE: Py10.1111  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 718..3195  
OTHER INFORMATION:

US-07-638-431-1

Query Match 5.5%; Score 31.6; DB 1; Length 4673;  
Best Local Similarity 55.5%; Pred. No. 3.7;  
Matches 61; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 243 AAACCAAAACAGCCAGCTTTTCTGCCAAAAGATGACGAGAGCTTAAACAA 302  
DB 4188 AAAAAAATAATGCAATTTCTATTTTCTGTAATGAGAGAGATATATATAT 4129  
QY 303 AAGTTCTCTCTGCTCAGATGACGCTTATTCAGAAATATGAAATATTC 352  
DB 4128 AATGCTCATATTTTTCAAAACAGAAATGACGAAATTTGACATTTGT 4079

Search completed: December 26, 2002, 23:14:01  
Job time : 84 secs





[illegible]

RESULT 2  
 US-09-949-271-3  
 Sequence 3, Application US/0949271  
 Patent No. US20020068716A1  
 GENERAL INFORMATION:  
 APPLICANT: SHLOMO ME'IR (Inventor)  
 APPLICANT: Ian Pei (Inventor)  
 TITLE OF INVENTION: COMPOSITIONS AND METHOD FOR DETERMINING  
 FILE REFERENCE: 18810-81108  
 CURRENT APPLICATION NUMBER: US-09-949-271  
 CURRENT FILING DATE: 2001-09-07  
 PRIOR APPLICATION NUMBER: JCN-9537721643  
 PRIOR FILING DATE: 1997-11-21  
 PRIOR APPLICATION NUMBER: US 08/894,251  
 PRIOR FILING DATE: 1999-07-23  
 PRIOR APPLICATION NUMBER: US 60/031,338  
 PRIOR FILING DATE: 1996-11-21  
 NUMBER OF SEQ ID NOS: 4  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 3  
 LENGTH: 779  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-949-271-3

[illegible][illegible]

```

1  RESULT 3
2  US-09-949-272-3
3  : Sequence 3, Application US/09949272
4  : Patent No. US2002010678A1
5  :
6  : GENERAL INFORMATION:
7  :
8  : APPLICANT: Shionogi Melind (Inventor)
9  :
10 : APPLICANT: Lin Pei (Inventor)
11 :
12 : TITLE OF INVENTION: HUMAN PTG POLYPEPTIDE AND METHOD FOR
13 :
14 : TITLE OF INVENTION: PRODUCING IT
15 :
16 : FILE REFERENCE: 18810-81105
17 :
18 : CURRENT APPLICATION NUMBER: US/09/949, 272
19 :
20 : CURRENT FILING DATE: 2001-09-07
21 :
22 : ERROR AFFILIATION NUMBER: FCI/US37/21643
23 :
24 : PRIOR FILING DATE: 1997-11-21
25 :
26 : PRIOR APPLICATION NUMBER: US 08/894,251
27 :
28 : PRIOR FILING DATE: 1999-07-23
29 :
30 : PRIOR APPLICATION NUMBER: US 60/031,338
31 :
32 : PRIOR FILING DATE: 1996-11-21
33 :
34 : NUMBER OF SEQ ID NOS: 4
35 :
36 : SOFTWARE: FASTASEQ for Windows Version 4.0
37 :
38 : SEQ ID NO 3
39 :
40 : LENGTH: 779
41 :
42 : TYPE: DNA
43 :
44 : ORGANISM: Homo sapiens
45 :
46 : US-09-949-272-3

```

[illegible]

```

QY 241 AGAAAAAGAAATGACCAAGCTTTCTGCAAAAAAGATGACCAAGACGTTTAAACA 300
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 335 CTGAAACAAAATGATTAATTTTCTGCAAAAAAGATGATGAAATGTTAAAGA 394
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 301 AAAAGTTGCTGCTGACGATGACGCTATGTCAGAAATGAAAAATTTTCCCTTC 360
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 395 AAAAGCTGCTGCTGACGATGACGCTATGTCAGAAATGAAAAATTTTCCCTTC 454
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 361 AATCTTGAGATTTGAGATTTTACCTGCTGTAAGAGAGGCTGAGATTGTAAGCTTCC 420
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 455 AATCTTGAGATTTGAGATTTTACCTGCTGTAAGAGAGGCTGAGATTGTAAGCTTCC 514
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 421 TTGAGTGAATGCTGCTGATGATGATGAGAGAGGCTTGAAGACCTGTTGAG 480
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 515 TTGAGTGAATGCTGCTGATGATGATGAGAGAGGCTTGAAGACCTGTTGAG 574
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 481 CTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 575 CTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 633
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 541 GTCTGCTTAAAGATTTGCTGAGCTGATGTTGA 576
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 634 GTCTGCTTAAAGATTTGCTGAGCTGATGTTGA 669
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||

```

# RESULT 4

```

US-09-777-422-3
? Sequence 3, Application US-09-777-422
? Patent No. US20020147162A1
? GENERAL INFORMATION:
? APPLICANT: Anthony P. Heaney (Inventor)
? APPLICANT: Hiroki Ishikawa (Inventor)
? APPLICANT: Run Yu (Inventor)
? APPLICANT: Gregory A. Horwitz (Inventor)
? APPLICANT: Xun Zhang (Inventor)
? APPLICANT: Shilomo Melamed (Inventor)
? TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY
? TITLE OF INVENTION: REGULATING THE EXPRESSION OF PITUITARY TUMOR TRANSFORMING
? FILE REFERENCE: 18810-81104
? CURRENT APPLICATION NUMBER: US/09/777,422
? CURRENT FILING DATE: 2001-02-05
? PRIOR APPLICATION NUMBER: 09/730,469
? PRIOR FILING DATE: 2000-12-04
? PRIOR APPLICATION NUMBER: 09/687,911
? PRIOR FILING DATE: 2000-10-13
? PRIOR APPLICATION NUMBER: 09/559,956
? PRIOR FILING DATE: 2000-05-12
? PRIOR APPLICATION NUMBER: 08/894,251
? PRIOR FILING DATE: 1999-07-23
? PRIOR APPLICATION NUMBER: PCT/US86/21463
? PRIOR FILING DATE: 1987-11-21
? PRIOR APPLICATION NUMBER: 60/031,338
? PRIOR FILING DATE: 1986-11-21
? NUMBER OF SEQ ID NOS: 19
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 3
? LENGTH: 779
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-777-422-3

```

```

Query Match 89.0% Score 512.8; DB 10; Length 779;
Best Local Similarity 94.3%; Pred. No. 1,7e-146;
Matches 543; Conservative 0; Mismatches 32; Indels 1; Gaps 1;

```

```

QY 1 ATGGCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 95 ATGGCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 154
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 61 AAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 155 AAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 214
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||

```

```

QY 121 GTTTTAACAGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 215 GTTTCACACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 274
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 181 ATGAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 275 ATGAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 334
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 241 AGAAAAAGAAATGATTAATTTTCTGCAAAAAAGATGACCAAGACGTTTAAACA 300
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 335 CTGAAACAAAATGATTAATTTTCTGCAAAAAAGATGATGAAATGTTAAAGA 394
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 301 AAAAGTTGCTGCTGACGATGACGCTATGTCAGAAATGAAAAATTTTCCCTTC 360
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 395 AAAAGCTGCTGCTGACGATGACGCTATGTCAGAAATGAAAAATTTTCCCTTC 454
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 361 AATCTTGAGATTTGAGATTTTACCTGCTGTAAGAGAGGCTGAGATTGTAAGCTTCC 420
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 455 AATCTTGAGATTTGAGATTTTACCTGCTGTAAGAGAGGCTGAGATTGTAAGCTTCC 514
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 421 TTGAGTGAATGCTGCTGATGATGATGAGAGAGGCTTGAAGACCTGTTGAG 480
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 515 TTGAGTGAATGCTGCTGATGATGATGAGAGAGGCTTGAAGACCTGTTGAG 574
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 481 CTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 575 CTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 633
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 541 GTCTGCTTAAAGATTTGCTGAGCTGATGTTGA 576
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 634 GTCTGCTTAAAGATTTGCTGAGCTGATGTTGA 669
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||

```

# RESULT 5

```

US-09-902-941-1896
? Sequence 1896, Application US-09-902-941
? Patent No. US20020179952A1
? GENERAL INFORMATION:
? APPLICANT: Henderson, Robert A.
? APPLICANT: Wang, Tongdong
? APPLICANT: Watanabe, Yoshinori
? APPLICANT: Johnson, Jeffrey D.
? APPLICANT: Keller, Marc W.
? APPLICANT: Marnerakis, Margarita
? APPLICANT: Carter, Derrick
? APPLICANT: Fanger, Gary R.
? APPLICANT: Vedvyck, Thomas S.
? APPLICANT: Hagdur, Chaitanya S.
? APPLICANT: McNabb, Andrea
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
? TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
? FILE REFERENCE: 21024147617
? CURRENT APPLICATION NUMBER: 09/799,941
? CURRENT FILING DATE: 2001-07-16
? NUMBER OF SEQ ID NOS: 2002
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 1896
? LENGTH: 787
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-902-941-1896

```

```

Query Match 89.0% Score 512.8; DB 9; Length 787;
Best Local Similarity 94.3%; Pred. No. 1,7e-146;
Matches 543; Conservative 0; Mismatches 42;

```

```

QY 1 ATGGCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 106 ATGGCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 160
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
QY 61 AAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||
Db 155 AAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 214
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||

```

```

166 AAGATGGGCTAAGCTGGAGGCTGAGAGCTGATGAAAGGCTTAAAGATGAGATCTGA 225
121 GTTTTAACACACAGCTTTGGCAAAACATACAGATGCTTCAATAGCTTACCTAAAGCTAC 180
126 CTTTCAACACAGCTTTGGCAAAACATACAGATGCTTCAATAGCTTACCTAAAGCTAC 285
181 AGAAAGCTTTGAGATCTTAAATATATATATATATATATATATATATATATATATAT 240
286 AGAAAGCTTTGAGATCTTAAATATATATATATATATATATATATATATATATATAT 345
241 AGAAAGCTTTGAGATCTTAAATATATATATATATATATATATATATATATATATAT 300
346 GTTAAATATATATATATATATATATATATATATATATATATATATATATATATAT 405
301 AAAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTACCTAAAGCTAC 360
406 AAAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTACCTAAAGCTAC 465
461 AATCTTCAACATTTTAAATATATATATATATATATATATATATATATATATAT 420
466 AATCTTCAACATTTTAAATATATATATATATATATATATATATATATATATAT 525
421 TTGAGTGAAGCTTGGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 480
526 TTGAGTGAAGCTTGGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 585
481 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 540
586 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 644
541 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 576
645 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 680

RESULT 6
US-09-745-763-118
Sequence 118, Application US/09745763
Patent No. US20023005394A1
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
McToy, John M.
LaValle, Edward R.
Collins-Bacile, Lisa A.
Evans, Cheryl
Moberg, David
Treacy, Maurice
Spaulding, Vikki
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
ENCODING THEM
NUMBER OF SEQUENCES: 219
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 89 CambridgePark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER AVAILABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/745,763
FILING DATE: 18-Jun-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851

```

```

1 INFORMATION FOR SEQ ID NO: 118:
SEQUENCE CHARACTERISTICS:
LENGTH: 819 base pairs
TYPE: nucleic acid
STRAND: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 118:
US-09-745-763-118

Query Match 89.0% Score 512.4 DB 10: Length 819
Best Local Similarity 94.1% Pos 146
Matches 542: Conservative 1: Mismatches 42: Indels 1: Gaps 1:

1 ATGGCTACGCTGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 60
99 ATGGCTACGCTGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 158
61 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 220
154 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 278
121 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 340
219 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 398
181 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 460
279 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 518
241 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 576
339 CTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 644
301 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 680
399 AAGATGCTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 740
461 AATCTTCAACATTTTAAATATATATATATATATATATATATATATATATATAT 800
466 AATCTTCAACATTTTAAATATATATATATATATATATATATATATATATATAT 860
421 TTGAGTGAAGCTTGGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 920
526 TTGAGTGAAGCTTGGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 980
481 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 1040
586 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 1100
541 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 1160
645 GTTAAAGCTTTGAGATGCTTCAATAGCTTCAATAGCTTCAATAGCTTCAATAGCTTCA 1220

RESULT 7
US-10-202-193-154
Sequence 154, Application US/10202193
Publication No. US20020192699A1
GENERAL INFORMATION:
APPLICANT: Zhang, Jimmy
APPLICANT: Astel, Jon H.
APPLICANT: Carroll III, Eddie
APPLICANT: Fridge, Wilson O.
APPLICANT: Ford, Donna M.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
APPLICANT: Steinman, Kathleen E.
TITLE OF INVENTION: GENE AND GENE EXPRESSION PRODUCTS THAT
PROMOTE CELL GROWTH AND CELL DIFFERENTIATION IN PROSTATE CANCER
CURRENT APPLICATION NUMBER: US/10/202,193
CURRENT FILING DATE: 2002-07-23

```



[illegible]

197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

[illegible]

```

RESULT 12
US-09-920-300A-973
Sequence 973, Application US-09-920-300A
Patient No. US20020136728A1
GENERAL INFORMATION:
APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madeline Joy
APPLICANT: Xu, Jiaochun
APPLICANT: Seelster, Dieter
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121, 547
CURRENT APPLICATION NUMBER: US-09-920, 300A
CURRENT FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 1789
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 973
LENGTH: 541
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 488
OTHER INFORMATION: n - A, I, C or G
US-09-920-300A-973

```

[illegible]

Id	Sequence	Length
10	422 AATATCTACACCTT AAGATTTT GCGGCGCGTACACA AAT	42
07	421 TTTCAGTCGACGCTCTTCTATGATCTTCAATGACGACGCTATAAAT	42
10	402 TTTCAGTACATATCTCTTCTATGATCTTCTGAGGAGGAGATATATAT	42

```

1 RESULT 13
2 US-10-033-528-973
3 Sequence 973, Application: 07/10/1528
4 Patent No. US2002011921A1
5 GENERAL INFORMATION:
6 APPLICANT: King, George E.
7 APPLICANT: Meagher, Matthew Roy
8 APPLICANT: Xu, Jianzhong
9 APPLICANT: Sechrist, Heather
10 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR I
11 TITL OF INVENTION: AND DIAGNOSIS OF COLON CANCER
12 FILE REFERENCE: 2107/154701
13 CURRENT ATTORNEY: N. WYNNE, 0334-528
14 CURRENT FILING DATE: 2001-12-26
15 NUMBER OF SEQ. ID NOS.: 1994
16 SOFTWARE: FASTSPD for Windows Version 4.0
17 SEQ. ID NO. 973
18 LENGTH: 541
19 TYPE: DNA
20 ORGANISM: Homo Sapiens
21 FEATURE:
22 NAME/KEY: misc_feature
23 LOCATION: 488
24 OTHER INFORMATION: L. A.T. 01:15
25 US-10-033-528-973

```

[illegible]





GenCore version 5.1.3  
Copyright (c) 1994 2002 GenCorp Ltd

OM nucleotide - nucleotide search using SW model

Penalty: 1000000000 2002 02 26 15 Search time: 3996 Seconds  
(Without alignments)  
4532700 Millions of cells - 4000000000

Title: US-09-854-326-63

Perfect score: 576

Sequence: 1 atgctactctgctctacgt.....ctgttcacccctctgctatgctga 576

Scoring table: IDENTITY\_NUC

Gapop 10.0, Gapext 1.0

Searched: 2479104 seqs, 1257124825 residues

Total number of hits satisfying chosen parameters: 49582208

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Dooling Patrons NA Matrix \*

1	/seq2_6/prodata/1/pna/US091_COMB.seq
2	/seq2_6/prodata/1/pna/US091_COMB.seq
3	/seq2_6/prodata/1/pna/US091_COMB.seq
4	/seq2_6/prodata/1/pna/US091_COMB.seq
5	/seq2_6/prodata/1/pna/US091_COMB.seq
6	/seq2_6/prodata/1/pna/US091_COMB.seq
7	/seq2_6/prodata/1/pna/US091_COMB.seq
8	/seq2_6/prodata/1/pna/US091_COMB.seq
9	/seq2_6/prodata/1/pna/US091_COMB.seq
10	/seq2_6/prodata/1/pna/US091_COMB.seq
11	/seq2_6/prodata/1/pna/US091_COMB.seq
12	/seq2_6/prodata/1/pna/US091_COMB.seq
13	/seq2_6/prodata/1/pna/US091_COMB.seq
14	/seq2_6/prodata/1/pna/US091_COMB.seq
15	/seq2_6/prodata/1/pna/US091_COMB.seq
16	/seq2_6/prodata/1/pna/US091_COMB.seq
17	/seq2_6/prodata/1/pna/US091_COMB.seq
18	/seq2_6/prodata/1/pna/US091_COMB.seq
19	/seq2_6/prodata/1/pna/US091_COMB.seq
20	/seq2_6/prodata/1/pna/US091_COMB.seq
21	/seq2_6/prodata/1/pna/US091_COMB.seq
22	/seq2_6/prodata/1/pna/US091_COMB.seq
23	/seq2_6/prodata/1/pna/US091_COMB.seq
24	/seq2_6/prodata/1/pna/US091_COMB.seq
25	/seq2_6/prodata/1/pna/US091_COMB.seq
26	/seq2_6/prodata/1/pna/US091_COMB.seq
27	/seq2_6/prodata/1/pna/US091_COMB.seq
28	/seq2_6/prodata/1/pna/US091_COMB.seq
29	/seq2_6/prodata/1/pna/US091_COMB.seq
30	/seq2_6/prodata/1/pna/US091_COMB.seq
31	/seq2_6/prodata/1/pna/US091_COMB.seq
32	/seq2_6/prodata/1/pna/US091_COMB.seq
33	/seq2_6/prodata/1/pna/US091_COMB.seq
34	/seq2_6/prodata/1/pna/US091_COMB.seq
35	/seq2_6/prodata/1/pna/US091_COMB.seq
36	/seq2_6/prodata/1/pna/US091_COMB.seq
37	/seq2_6/prodata/1/pna/US091_COMB.seq
38	/seq2_6/prodata/1/pna/US091_COMB.seq
39	/seq2_6/prodata/1/pna/US091_COMB.seq
40	/seq2_6/prodata/1/pna/US091_COMB.seq
41	/seq2_6/prodata/1/pna/US091_COMB.seq
42	/seq2_6/prodata/1/pna/US091_COMB.seq
43	/seq2_6/prodata/1/pna/US091_COMB.seq

pred. No. is the number of results predicted by  
score greater than or equal to the score of the  
and is derived by analysis of the total score

Result No.	Score	Match	Length	DB	308MATTIS
1	576	100.0	576	1	PAT US01 15254-51
2	576	100.0	576	1	PAT US01 15257-61
3	576	100.0	576	1	PAT US02 18947-1401
4	576	100.0	576	1	US-09-854-326-63
5	576	100.0	576	1	US-10-172-118-1401
6	576	100.0	576	1	PAT US01 15254-52
7	576	100.0	576	1	PAT US01 15437-52
8	576	100.0	576	1	US-09-854-326-63
9	576	100.0	576	1	PAT US02 18947-1405
10	576	100.0	576	1	US-10-172-118-1405
11	576	100.0	576	1	US-09-854-326-63
12	576	100.0	576	1	PAT US01 15254-53
13	576	100.0	576	1	US-09-854-326-63
14	576	100.0	576	1	US-09-854-326-63
15	576	100.0	576	1	US-09-854-326-63
16	576	100.0	576	1	US-09-854-326-63
17	576	100.0	576	1	US-09-854-326-63
18	576	100.0	576	1	US-09-854-326-63
19	576	100.0	576	1	US-09-854-326-63
20	576	100.0	576	1	US-09-854-326-63
21	576	100.0	576	1	US-09-854-326-63







```

1  ATGGCTATCTGTAATGACCTGTTTAAATAGGAGAAATGAGTGAAGCTAGGTAAGGTAATGGTGGGCTGGG 50
2  |||||
3  483  ATGGTATCTATATCTTACTTTATATAGGAAATTTGATGAACTAGGTAAGGTAATGGTGGGCTGGG 442
4  |||||
5  61  AAGCATATCTGTAAGCTGTAAGCTTAAAGCTTTAAATGAAATATGATGATGATGATGATGATGATGATGAT 120
6  |||||
7  443  AATATATCTGTAAGCTGTAAGCTTAAAGCTTTAAATGAAATATGATGATGATGATGATGATGATGATGAT 502
8  |||||
9  121  GTTATATCTGTAAGCTTAAAGCTTTAAATGAAATATGATGATGATGATGATGATGATGATGATGATGAT 180
10 |||||
11 503  GTTATATCTGTAAGCTTAAAGCTTTAAATGAAATATGATGATGATGATGATGATGATGATGATGATGAT 562
12 |||||
13 181  AGAAGGCTTTGGGACATGTCAGACAGAGGCTACAGAAAGATGAGTAAAGATGATGATGATGATGATGATGAT 240
14 |||||
15 563  AGAAGGCTTTGGGACATGTCAGACAGAGGCTACAGAAAGATGAGTAAAGATGATGATGATGATGATGATGAT 622
16 |||||
17 241  AGAAGGCTTTGGGACATGTCAGACAGAGGCTACAGAAAGATGAGTAAAGATGATGATGATGATGATGATGAT 300
18 |||||
19 623  AGAAGGCTTTGGGACATGTCAGACAGAGGCTACAGAAAGATGAGTAAAGATGATGATGATGATGATGATGAT 682
20 |||||
21 301  AAAAGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
22 |||||
23 683  AAAAGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 742
24 |||||
25 361  AATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
26 |||||
27 743  AATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 802
28 |||||
29 421  TTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
30 |||||
31 803  TTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 862
32 |||||
33 481  GTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
34 |||||
35 863  GTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 922
36 |||||
37 541  GTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 602
38 |||||
39 923  GTGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 982
40 |||||
41
42 RESULT 7
43 perl-0501-15437-62
44 : Sequence 62, Application PG/T050115437
45 : GENERAL INFORMATION:
46 : APPLICANT: Cedars Sinai Medical Center (Applicant)
47 : APPLICANT: Anthony P. Heaney (Inventor)
48 : APPLICANT: Hiroki Ishikawa (Inventor)
49 : APPLICANT: Kun Yu (Inventor)
50 : APPLICANT: Gregory A. Hewitell (Inventor)
51 : APPLICANT: Xun Zhang (Inventor)
52 : APPLICANT: Shlomo Melamed (Inventor)
53 : APPLICANT: Anthony P. Heaney (Inventor)
54 : TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY
55 : TITLE OF INVENTION: MODULATING THE EXPRESSION OF PITUITARY TUMOR TRANSFORMING
56 : TITLE OF INVENTION: GENE (PTTG)
57 : FILE REFERENCE: 18410-8110
58 : CURRENT APPLICATION NUMBER: PCT/US01/15437
59 : CURRENT FILING DATE: 2001-05-12
60 : PRIOR APPLICATION NUMBER: US 09/777,422
61 : PRIOR FILING DATE: 2001-02-05
62 : PRIOR APPLICATION NUMBER: US 09/774,469
63 : PRIOR FILING DATE: 2000-12-04
64 : PRIOR APPLICATION NUMBER: US 09/687,911
65 : PRIOR FILING DATE: 2000-10-13
66 : PRIOR APPLICATION NUMBER: US 09/669,956
67 : PRIOR FILING DATE: 2000-05-12
68 : NUMBER OF SEQ ID NOS: 68
69 : SOFTWARE: FastSeq for Windows Version 4.0
70 : SEQ ID NO 62
71 : LENGTH: 1231
72 : TYPE: DNA

```

```

1 ORGANISM: Homo sapiens
2 PDB-US01-15437-62
3
4 Query Match: 100.00 Score: 576.14 E-13
5 Best Local Similarity: 100.00 E-13, No. 2, 10, 154
6 Matches: 576 Conserved: 0 Mismatches: 0
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022

```

















```

1  QY  61  AAGATCTCTTAAATCTGAGCTCTTAATCTTAATCAAGCATATAGATGGATATCTCAA 120
2  |||||
3  Db  155  AAGATCTCTCTTAAGTCTGAGCTCTTCTGACTTCTTAATCAAGCTTAAATGAGACATCTCAA 214
4  |||||
5  QY  121  GTTTTAAACACAGCTTTTCTGTAATATATATCTTCAATCACTTAAATCTAAATCTAAC 180
6  |||||
7  Db  215  GTTTTAAATCTGCTTTTCTGTAATATATATCTTCAATCACTTAAATCTAAATCTAAC 274
8  |||||
9  QY  181  AGAAGGCTCTTCTGCTGCTCAACAGCTCTACAGAAAAGTCTAGTAAAGCATATGACGCC 240
10 |||||
11 Db  275  AGAAGGCTTTTCTGAGACTCTCAACAGAGTCTACAGAAAAGTCTGTAATGACCAAGGACCC 334
12 |||||
13 QY  241  AGAAAACAAAACACGCAAGCTTTTCTGTAATAAAGATGACGAGCAAGATCTTAAACAA 300
14 |||||
15 Db  335  CTCACAAACAAAACACGCAAGCTTTCTGCAAAAAGATGACTCAGAACATCTTAAACCA 394
16 |||||
17 QY  301  AAAAGTCTCTCTCTGCTCAATGAGCTCTATCTCTATCTCTAAATATATAAAATCTTTCTCTG 360
18 |||||
19 Db  395  AAAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 454
20 |||||
21 QY  361  AATCTCTCAAGCTTTTCTGAGCTTTTCTGAGCTTCTGCTCAACAGCTCTCAATCTCTGAC 420
22 |||||
23 Db  455  AATCTCTCAAGCTTTTCTGAGCTTTTCTGAGCTTTTCTGAGCTTTTCTGAGCTTTTCTGAG 514
24 |||||
25 QY  421  TTGCTGCTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 480
26 |||||
27 Db  515  TTGCTGCTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 574
28 |||||
29 QY  481  CTGCTGCTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 540
30 |||||
31 Db  575  CTGCTGCTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 633
32 |||||
33 QY  541  GCTGCTGCTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 576
34 |||||
35 Db  634  GCTGCTGCTGATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 669
36 |||||
37
38 RESULT 4
39 US-10-283-876-3
40
41 Sequence 3: Application US/10283876
42
43 GENERAL INFORMATION:
44
45 APPLICANT: Cedars-Sinai Medical Center (Assignee):
46
47 APPLICANT: Gregory A. Horvitz (Inventor):
48
49 APPLICANT: Xun Zhang (Inventor):
50
51 APPLICANT: Shihong Melmed (Inventor):
52
53 TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)
54
55 TITLE OF INVENTION: Carboxy-Terminale Peptides and Methods of Use Thereof
56
57 TITLE OF INVENTION: Tumor Proliferation Cellular Proliferation and/or
58
59 TITLE OF INVENTION: Transformation
60
61 FILE REFERENCE: CHDAR-044527
62
63 CURRENT APPLICATION NUMBER: US/10/283,876
64
65 CURRENT FILING DATE: 2002-10-29
66
67 PRIOR APPLICATION NUMBER: US/09/569,956
68
69 PRIOR FILING DATE: 2000-05-12
70
71 PRIOR APPLICATION NUMBER: US 08/994,251
72
73 PRIOR FILING DATE: 1999-07-23
74
75 PRIOR APPLICATION NUMBER: PCT/US97/21463
76
77 PRIOR FILING DATE: 1997-11-21
78
79 PRIOR APPLICATION NUMBER: US 60/031,338
80
81 PRIOR FILING DATE: 1996-11-21
82
83 NUMBER OF SEQ ID NOS: 19
84
85 SOFTWARE: FastSeq for Windows Version 4.0
86
87 SEQ ID NO 3
88
89 LENGTH: 779
90
91 TYPE: DNA
92
93 ORGANISM: Homo sapiens
94
95 US-10-283-876-3

```

[illegible]

Query Match	89.08	Score 512.8	DR 6	Length 774
Best Local Similarity	64.88	Prod. No. 2.2e-143		
Matches 543	Conservative 0	Mismatches 32	Indels 1	Gaps 1

Query Match	Score	Size	Start	End	Organism
	100.00	512.00	1	512	ORGANISM: Homo sapiens
	99.99	512.00	1	512	S-10-284-126-3

Host-local Similarity: 94.3%; Pred. No. 2,20 143;  
Matches 53; Conservative 0, Mismatches 32, Indels 1, Gaps 1

US 10 285 874-3

[illegible]

Est. Local Similarity: 94.3%; Pred. No. 2,326-143;  
Matches 543; Conservative 0; Mismatches 32; Indels 1; Gaps 1

61 AAGGATGCTGCAAGCTGGCACTTCTAGACCTTCAATCAAGAATTTAGATGGCATATCTCAAT 120

D9  
ATGGGCTACCTCAGCTTGCATAAACAATTGCGAACCCAGGTACCCTTGTCGCTGCC

D8  
TTT

D7  
ATGGCTACTCATCTATGCTTAGTAAGAATAATCAAGAACCAGCACCTCTTAACTTCT

D6  
TTT

D5  
TTT

D4  
TTT

D3  
TTT

D2  
TTT

D1  
TTT

CtD10  
TTT

CtD9  
TTT

CtD8  
TTT

CtD7  
TTT

CtD6  
TTT

CtD5  
TTT

CtD4  
TTT

CtD3  
TTT

CtD2  
TTT

CtD1  
TTT

Bp  
TTT

121 GATTTAACACCACTTTTGGTAAACATACGATGCTGTATGACAGGCTTACCTAAAGCTACG 180

61 AAAGATGCTTAAATCTGAGTTATGAATCTTAAAGAAAGATAGAGTGGTAAATCTCA 120  
||||| ||||||| ||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

215 GTTTCACACACCACTTTTGGCAAAACGTTGGATGGCCCAACAGAGCTTACTCTAAAGCTACT 274

121 GTTTTAAACACCGCTTTTGCAAAACATACGATGCTCTATCAAGCTTATCTTAAAGCTTATC 180

275 AGAAGCGTTGGCACTCTCAGCAGACTACGAAAGCTCTGAAGACCAAGGACCC 334

181 AGAAGGCGTGGGAGTCTGCAACAGAGCTACAGAAAGCTACGTAAGAAATATGTAAGGAGCG 240  
DB 215 GTTCCAAATCGCTTTGAGAAAAGTTGATGCGGAGCAAGCTTATCTTAAATATAT 274

335 CTCAAA:AAAA:CACT:AACTTTT:TAAT:AAAAA:GATTA:AT:TA:GAA:AA:TT:TAAG:CA 394

Db 275 AGAAGGTTTGGCAATGTCTAAACAGATTTCATAAAATCTATAAATCATGAAGATCG 334

301 AAAGCTTCTGTTCTTCATCATACAGCGGTATCCGAAATAAGAAAAATCTTGGCCTTC 360

335 CTTCAACGAAAAACAGCCAGCTTTTCTGCCAAAAAGATCAGTGGAGAGACATCTTTAAAGCA 394

361 AATCTTCTAGACATTGACGCTTTGACCTCTTTAAAGACGAGGAGATTGTCACACCTGGGCG 420

301 AAAAGTTGTGTTGCTGCTCAGATGACGGCTATCTAGAAATAGAAAAATCTTTTCCTTC 360

421 TTGAGTGGAGTGGCTGTCATGACCTTGGATGAGCAGGACAGGCTGTTGAAAACCTGCTTGACG 480  
422 AATCTCTTACACCTTCAATGATTTGATCTTCTGCAATGAGCAGTACGATTTGGGACCTCTCCCG 514

461 AATCTCTAGACCTTTGAGAGTTTTCAGCCCTGGCTGAGAGACGGCGCGAATGTACACCTTGGCG 420

Dp 515 TTGAGTGGAGTCTCTTTATGATTTGACCTACCAATATATTTTAAAGCTTTTTCAG 574

421 TTGAGTGGAGTGGCTCTATGATGCTTGAAGAGAGAGAGCTGGAAAAGCTGTTTCAAG 480  
 DD AATCTCTATGAAATTTTGGATCTGCTCTGGAGAGCTACCTCAAGATTCGCTACCTCTCTCC 514

D5 575 CCGGCTGGTCCCTTCACCTGCAGATATTGTCTCCTCACTATGCGAATGCAATCTCTG-CTTGCA 633

Ddb  
515 TTTCAGTGGACGCTCTCTCTCATTGATGCTTTGACGAGCGAGACAGAGCCGTGAAGAAGCAGCTTTCAG 574

DB	634	GTCTGCTTCACGATTTCTATGCTGCTGATGCTGCA	669
QY	541	GTCTGCTTCACGATTTCTATGCTGCTGATGCTGCA	576

D6  
575 CTGGCTTTTTCATTATGTAAGAAAGACCTCCTCAATATGCGAATCCAACTGTGTA 633

## RESULT 6

D6 634 GTCCTCCTCAAGCATTCGGCGAAGGATGTGA 569

Sequence 3, Application US/10283874  
GENERAL INFORMATION:

## RESULT 7

```

:
:
: APPLICANT: Gregory A. Horwitz (Inventor);
: APPLICANT: Xun Zhang (Inventor);
: APPLICANT: Solomon Melamed (Inventor);

```

Sequence 1896, Application PC/MS0234777  
GENERAL INFORMATION:

1	NAME OF INVENTOR:	Primidally Immunostimulating Gene (Pig)
2	TITLE OF INVENTION:	Carboxy-terminal peptides and Methods of Use thereof
3	TITLE OF INVENTION:	Inhibit Neoplastic Cellular Proliferation and/or

APPLICANT: Henderson, Robert A.  
APPLICANT: Wang, Tongtong  
APPLICANT: Watanabe Yoshitro

FILE REFERENCE: CEDAR-044527  
CURRENT APPLICATION NUMBER: 05/10/283,874

APPLICANT: Arias, Michael D.  
APPLICANT: Sleath, Paul R.  
APPLICANT: Johnson, Jeffrey C.

PRIOR APPLICATION NUMBER: US/09/569,956  
 PRIOR FILING DATE: 2000-05-12

```

; APPLICANT: Durham, Margarita
; APPLICANT: Carter, Darrick

```

: PRIOR FILING DATE: 1999-07-23  
 : PRIOR APPLICATION NUMBER: PCT/US97/21463  
 : PRIOR FILING DATE: 1997-11-01

APPLICANT: Vedvick, Thomas S.  
APPLICANT: Baquir, Chailanya S.

NUMBER OF SEQ ID NOS: 19  
PRIORITY FILING DATE: 1996-11-21  
PRIOR APPLICATION NUMBER: US 60/7031,338

1. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
2. TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER  
3. FILE REFERENCE: 210121 47803PC

```

: SEQ ID NO 1
:
: LENGTH: 779

```

```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040

```

ORGANISM: *Homo sapiens*

SEC ID NO 1096



```

RESULT 10-1758/c
US-10-283-017-1758/c
Sequence 1758, Application US/10283017
GENERAL INFORMATION:
APPLICANT: Henderson, Robert A.
APPLICANT: Wang, Jingtong
APPLICANT: Watanabe, Yoshihiro
APPLICANT: Kalos, Michael D.
APPLICANT: Sleath, Paul P.
APPLICANT: Johnson, Jeffrey C.
APPLICANT: Retter, Marc W.
APPLICANT: Durham, Margarita
APPLICANT: Carter, Darick
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Hanjuri, Chantanya S.
APPLICANT: McNabb, Andria
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
OF LUNG CANCER
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
OF LUNG CANCER
FILE REFERENCE: 21021.478620
CURRENT APPLICATION NUMBER: US/10/283,017
CURRENT FILING DATE: 2002-10-28
NUMBER OF SEQ ID NOS: 2157
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1758
LENGTH: 473

```

```

1 TITLE OF INVENTION: Transgenic Cells Transfected with Pluritary
2 TITLE OF INVENTION: Tumor Transforming Gene (PTTG) Expression Vectors
3 TITLE OF INVENTION: and Uses Therefor
4 FILE REFERENCE: 18810-82251
5
6 CURRENT APPLICATION NUMBER: US/10/264,372
7
8 CURRENT FILING DATE: 2002-10-04
9
10 PRIOR APPLICATION NUMBER: US 09/854,326
11
12 PRIOR FILING DATE: 2001-05-11
13
14 PRIOR APPLICATION NUMBER: US 09/777,422
15
16 PRIOR FILING DATE: 2001-02-05
17
18 PRIOR APPLICATION NUMBER: US 09/730,469
19
20 PRIOR FILING DATE: 2000-012-04
21
22 PRIOR APPLICATION NUMBER: US 09/687,911
23
24 PRIOR FILING DATE: 2000-10-13
25
26 PRIOR APPLICATION NUMBER: US 09/566,956
27
28 PRIOR FILING DATE: 2000-05-12
29
30 PRIOR APPLICATION NUMBER: US 08/894,251
31
32 PRIOR FILING DATE: 1999-07-23
33
34 PRIOR APPLICATION NUMBER: PCT/US97/21463
35
36 PRIOR FILING DATE: 1997-11-21
37
38 PRIOR APPLICATION NUMBER: US 60/031,338
39
40 PRIOR FILING DATE: 1996-11-21
41
42 NUMBER OF SEQ ID NOS: 6
43
44 SOFTWARE: FASTSHO for Windows Version 4.0
45
46 SEQ ID NO: 1
47
48 LENGTH: 974

```





```

: PRIOR APPLICATION NUMBER: US 6,070,741, 738
: PRIOR FILING DATE: 1996-11-21
: NUMBER OF SEQ ID NOS: 19
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO: 1
: LENGTH: 974
: TYPE: DNA
: ORGANISM: Rattus rattus
: OS-10-283797-1

```

Query Match	56.0%;	Score 322.8;	DB 6;	Length 974;
Best local Similarity	76.2%;	Prod. No. 1,36-86;		
Matches 439;	Conservative	0;	Mismatches 127;	Indels 10;
				Gaps 3

[illegible]

```

RESULT 14
US-10-283-876-1
Sequence 1, Application US/10283876
GENERAL INFORMATION:
APPLICANT: Cedars-Sinai Medical Center (Assignee);
APPLICANT: Gregory A. Horviter (Inventor);
APPLICANT: Xun Zhang (Inventor);
APPLICANT: Shizuo Mizuno (Inventor);
TITLE OF INVENTION: Pluripotent Transferring Gene (PTTG)
TITLE OF INVENTION: Various Teratoma Peptides and Methods of Use Thereof
TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
TITLE OF INVENTION: Transformation
FILE REFERENCE: CEDAR-044527
CURRENT APPLICATION NUMBER: US/10-283,876
CURRENT FILING DATE: 2002.10.29
PRIOR APPLICATION NUMBER: US-09,563,956
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US-09,789,425

```

```

? PRIOR FILING DATE: 1999-07-23
? PRIOR APPLICATION NUMBER: JCI/US97/21463
? PRIOR FILING DATE: 1997-11-21
? PRIOR APPLICATION NUMBER: US 60/031,338
? PRIOR FILING DATE: 1996-11-21
? NUMBER OF SPO ID NOS: 19
? SOFTWARE: SP8-SPD for Windows Version 4.0
? SPO ID NO: 1
? LENGTH: 974
? TYPE: DNA
? ORGANISM: Rattus rattus
US-10-283-876-1

```

Query Match 56.0%; Score 322.8; Dp 6; Length 94;  
 Best Local Similarity 76.2%; Pred. No. 1.3e-86;  
 Matches 439; Conservative 0; Mismatches 127; Indels 10; Gaps 3

[illegible]

```

1  RESULT 15
2  US-10-284-126-1
3  Sequence 1: Application US/10284126
4  GENERAL INFORMATION:
5  APPLICANT: Cedars Sinai Medical Center (Assignee);
6  APPLICANT: Gregory A. Hewitt, (Inventor);
7  APPLICANT: Xun Zhang (Inventor);
8  APPLICANT: Shihong Melnick (Inventor);
9  TITLE OR INVENTION: Pituitary-Tumor Transforming Gene (PTTG)
10 TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of use thereof to
11 TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
12 FILE REFERENCE: CELAB-0445-27
13 TRANSFORMATION
14 CURRENT APPLICATION NUMBER: US/10/284,126
15 COPYRIGHT FILING DATE: 2002-10-29

```

```

1 PRIOR APPLICATION NUMBER: US/09/569,956
2 PRIOR FILING DATE: 2000-05-12
3 PRIOR APPLICATION NUMBER: US 08/894,251
4 PRIOR FILING DATE: 1999-07-23
5 PRIOR APPLICATION NUMBER: PCT/US97/21463
6 PRIOR FILING DATE: 1997-11-21
7 PRIOR APPLICATION NUMBER: US 60/031,338
8 PRIOR FILING DATE: 1996-11-21
9 NUMBER OF SEQ ID NOS: 19
10 SOFTWARE: FastSeq for Windows Version 4.0
11 SEQ ID NO 1
12 LENGTH: 974
13 TYPE: DNA
14 ORGANISM: Rattus rattus
15 US-10-284126-1

```

Query Match	56.08;	Score	322.8;	DB	6;	Length	974;
Host Local Similarity	76.28;	Pred. No.	1.3e-86;				
Matches	439;	Conservative	0;	Mismatches	127;	Indels	10;
						Gaps	3;

[illegible]

Search completed: December 27, 2002, 00:11:29  
Job time : 259 secs



GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Capugen Ltd.

# OM protein protein search, using sw model

Run on: December 26, 2002, 23:12:29, Search time: 16 Seconds  
(without alignments)  
216.145 Million cell updates/sec

Title: US-09-854-326-64

Perfect score: 988

Sequence: 1 MATLIVYKKEIGFQHVAA.....PFWNHLAVS+KNSVWGG (9)

Scoring table: BLASTM62  
Gapop 10.0, Gapext 0.5

Searched: 26574 seqs, 29122922 residues

Total number of hits satisfying chosen parameters: 26574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Listing first 45 summaries

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	813	82.3	292	US-08-894-251A-4	Sequence 4, Appl
2	572.5	57.9	199	US-08-894-251A-2	Sequence 2, Appl
3	80.5	8.2	425	US-09-036-315-5	Sequence 5, Appl
4	79	8.0	861	US-08-484-105-18	Sequence 18, Appl
5	79	8.0	861	US-08-484-105-18	Sequence 18, Appl
6	77.5	7.8	1137	US-08-369-043-2	Sequence 2, Appl
7	77.5	7.8	1416	US-08-061-465-4	Sequence 4, Appl
8	77.5	7.8	1503	US-08-976-255-14	Sequence 14, Appl
9	77	7.8	941	US-07-757-022B-14	Sequence 14, Appl
10	77	7.8	1022	US-07-757-022B-84	Sequence 84, Appl
11	77	7.8	1038	US-07-757-022B-74	Sequence 74, Appl
12	77	7.8	1049	US-07-757-022B-58	Sequence 58, Appl
13	77	7.8	1140	US-07-757-022B-104	Sequence 104, Appl
14	77	7.8	1270	US-07-757-022B-44	Sequence 44, Appl
15	77	7.8	1311	US-07-757-022B-42	Sequence 42, Appl
16	77	7.8	1313	US-07-757-022B-142	Sequence 142, Appl
17	77	7.8	1314	US-07-757-022B-50	Sequence 50, Appl
18	77	7.8	1320	US-07-757-022B-46	Sequence 46, Appl
19	77	7.8	1320	US-07-757-022B-60	Sequence 60, Appl
20	77	7.8	1354	US-07-757-022B-48	Sequence 48, Appl
21	77	7.8	1361	US-07-757-022B-40	Sequence 40, Appl
22	77	7.8	1363	US-07-757-022B-52	Sequence 52, Appl
23	77	7.8	1404	US-07-757-022B-32	Sequence 32, Appl
24	77	7.8	1404	US-07-757-022B-62	Sequence 62, Appl
25	76.5	7.7	2496	US-09-125-028-2	Sequence 2, Appl
26	76.5	7.7	2958	US-08-894-344C-2	Sequence 2, Appl
27	75.5	7.6	480	US-07-803-636A-2	Sequence 2, Appl

28	75.5	7.6	760	US-09-513-057C-27	Sequence 27, Appl
29	75	7.6	433	US-08-522-166-7	Sequence 7, Appl
30	75	7.6	433	US-08-488-382A-7	Sequence 7, Appl
31	75	7.6	433	US-08-480-912-7	Sequence 7, Appl
32	74.5	7.5	904	US-09-198-484-2	Sequence 2, Appl
33	74.5	7.5	1052	US-08-852-892-2	Sequence 2, Appl
34	74.5	7.5	1052	US-09-163-669-2	Sequence 2, Appl
35	74	7.5	268	US-08-446-919A-2	Sequence 2, Appl
36	74	7.5	268	US-08-446-919A-2	Sequence 2, Appl
37	74	7.5	415	US-09-177-165A-24	Sequence 24, Appl
38	73	7.4	746	US-09-149-934-4	Sequence 4, Appl
39	73	7.4	1377	US-08-308-818-4	Sequence 4, Appl
40	72.5	7.3	138	US-09-041-889-6	Sequence 6, Appl
41	72.5	7.3	138	US-08-847-058-6	Sequence 6, Appl
42	72.5	7.3	258	US-08-961-084-9	Sequence 9, Appl
43	72.5	7.3	258	US-08-961-084-2	Sequence 2, Appl
44	72.5	7.3	266	US-08-755-587-187	Sequence 187, Appl
45	72.5	7.3	1805	US-07-853-914-2	Sequence 2, Appl

## ALIGNMENTS

RESULT 1

US-08-894-251A-4

Sequence 4, Application US-08-894-251A

Patent No. 6455305

GENERAL INFORMATION:

APPLICANT: Shlomo Melamed (Inventor)

TITLE OF INVENTION: Pituitary tumor-transforming

FILE REFERENCE: PCT 85/07 (1985/07)

CURRENT FILING DATE: 1999-07-24

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: US 60/031,348

NUMBER OF SEQ ID NOS: 7

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 202

TYPE: PRT

ORGANISM: Homo sapiens

US-08-894-251A-4

Query Match

Best local Similarity 82.3% Score 813 DB 4

Matches 162 Conservative 1 Mismatches 15

Query 1 MATLIVYKKEIGFQHVAAIVKALSKKALVINSVIT

DB 1 MATLIVYKKEIGFQHVAAIVKALSKKALVINSVIT

DB 61 KRALDVLNPAIFKSNVINGRQNGVSESAKMKRIVKASNS

DB 61 KRALDVLNPAIFKSNVINGRQNGVSESAKMKRIVKASNS

DB 121 NLDPSFPLDPRKVAHJHSVGMMLDDEGELKLPQV

DB 121 NLDPSFPLDPRKVAHJHSVGMMLDDEGELKLPQV

RESULT 2

Sequence 2, Application US-08-894-251A

Patent No. 6455305

GENERAL INFORMATION:

APPLICANT: Shlomo Melamed (Inventor)

TITLE OF INVENTION: Pituitary tumor-transforming

FILE REFERENCE: PCT 85/07 (1985/07)

CURRENT FILING DATE: 1999-07-24

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: US 60/031,348

NUMBER OF SEQ ID NOS: 7

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 202

TYPE: PRT

ORGANISM: Homo sapiens

US-08-894-251A-4

Query Match

Best local Similarity 91.0% Score 988 DB 4

Matches 162 Conservative 1 Mismatches 15

Query 1 MATLIVYKKEIGFQHVAAIVKALSKKALVINSVIT

DB 1 MATLIVYKKEIGFQHVAAIVKALSKKALVINSVIT

DB 61 KRALDVLNPAIFKSNVINGRQNGVSESAKMKRIVKASNS

DB 61 KRALDVLNPAIFKSNVINGRQNGVSESAKMKRIVKASNS

DB 121 NLDPSFPLDPRKVAHJHSVGMMLDDEGELKLPQV

DB 121 NLDPSFPLDPRKVAHJHSVGMMLDDEGELKLPQV

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:

type; amino acid

```

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-484-106-18

Query Match
Best Local Similarity 26.8% Score 79; DB 1; Length 861;
Matches 44; Conservative 19; Mismatches 79; Indels 22; Gaps 7,

QY 9 KEIGEGTVAAKDKVLESPST-KALDQISQVLTPEPKTYDA-----PSALPKATRK 62
DB 195 KSAESPMTFAEHVAKRIEHSASRSROTPTHTLPRAKRLLEGNLGNPQMSQOTSCA 254
QY 63 AICGVNATIKSV--KTNQPRKOKPS-----FSAKMKIKVVKTKSSVPSAD-DATYPI 114
DB 255 STSPSPRIKPKVASEITSPKSPQPKLQTLSPALKAKPKETPGTGLSTEDODKASPEH 314

QY 115 EKFFPNLLDFESFLPEERQIAHLPLSG VFPMILDEE 152
DB 315 KILIKRIASAKTIIDIPPEPIL--PLSGGQSSVSPVSLIKPE 356

RESULT 5
US-08-484-106-18
Sequence 18, Application US/08484106
Patent No. 5614618
GENERAL INFORMATION:
APPLICANT: STILLMAN, Bruce
APPLICANT: BELL, Stephen P
APPLICANT: KODAYASHI, Ryuji
APPLICANT: KINE, Jasper
APPLICANT: POSS, Margit
APPLICANT: MCNALLY, Francis J
APPLICANT: LAMERSON, Patricia
APPLICANT: HESKEMITT, Lisa
APPLICANT: LI, Joachim J
APPLICANT: CAVIN, Kimberly
TITLE OF INVENTION: ORIGIN OF REPLICATION COMPLEX GENES
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESS: FLEHR, HOFMACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embargoero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,106
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: (Susan Ph.D.) Richard Aron
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59042/11H/PAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 494-8700
TELEFAX: (415) 494-8771
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 861 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-484-106-18

Query Match
Best Local Similarity 26.8% Score 79; DB 1; Length 861;
Matches 44; Conservative 19; Mismatches 79; Indels 22; Gaps 7;

```

```

QY 9 KEIGEGTVAAKDKVLESPST-KALDQISQVLTPEPKTYDA-----PSALPKATRK 62
DB 195 KSAESPMTFAEHVAKRIEHSASRSROTPTHTLPRAKRLLEGNLGNPQMSQOTSCA 254
QY 63 AICGVNATIKSV--KTNQPRKOKPS-----FSAKMKIKVVKTKSSVPSAD-DATYPI 114
DB 255 STSPSPRIKPKVASEITSPKSPQPKLQTLSPALKAKPKETPGTGLSTEDODKASPEH 314

QY 115 EKFFPNLLDFESFLPEERQIAHLPLSG VFPMILDEE 152
DB 315 KILIKRIASAKTIIDIPPEPIL--PLSGGQSSVSPVSLIKPE 356

RESULT 6
US-08-369-043-2
Sequence 2, Application US/08369 43
Patent No. 5491064
GENERAL INFORMATION:
APPLICANT: Hickey, Jack H
APPLICANT: Howley, Peter M
TITLE OF INVENTION: HIV-1 Gene, A Human Tumor S
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend
STREET: 1 Market Plaza, Stuart Tower, Suite
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS DOS
SOFTWARE: Patent In Release #1.0, Version #1.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/369,043
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/77,716,742
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WEBER, Kenneth A
REGISTRATION NUMBER: 31,673
REFERENCE/DOCKET NUMBER: 15280-65
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-543-5043
TELEFAX: 415-543-5043
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1137 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-369-043-2

Query Match
Best Local Similarity 26.4% Score 77.5; DB 1;
Matches 43; Conservative 27; Mismatches 6;

QY 12 GIVEY--PYAKVY--KALDQISQVLTPEPKTYDA-----PSALPKATRK 62
DB 363 GIEGNSPQGLDQKSSLLVGVGVPPPEVEVEKMKTS--KALDQISQVLTPEPKTYDA-----PSALPKATRK 254
QY 51 DAPSAIPKA--------IRAKGVNVAII--KALDQISQVLTPEPKTYDA-----PSALPKATRK 114
DB 418 -APPDLSIAVAVIKRQKQKMSQKRSKRSRSPFRIASSL--KALDQISQVLTPEPKTYDA-----PSALPKATRK 254
QY 88 FSAKMKTEKTVTKRSSVPSADQATYPIFFFPNLLDFESFL 152
DB 477 FGSKSTIEH--ATIDVADLPKPNVYEVDAKSKR--VFPMILDEE 152

```







```

APPLICANT: Turner, Katherine
APPLICANT: Hewick, Rodney M.
TITLE OF INVENTION: Megakaryocyte Stimulating Factors
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/757,022B
FILING DATE: 19910910
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,502
FILING DATE: 18-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cseert, Ldaan
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: G1 5190
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
TELEFAX: (617)876-5851
INFORMATION FOR SEQ ID NO: 74:
SEQUENCE CHARACTERISTICS:
LENGTH: 1038 amino acids
TYPE: AMINO ACID
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-07-757-022B-74

Query Match: 7.8% Score 77 DB 4, Length 1038,
Best Local Similarity 21.6% Pred. No. 13;
Matches 35; Conservative 23; Mismatches 82; Indels 22; Gaps 4.

QY 25 KLSKRSIKALD-----GISQVITPRKQKTYDAPSAIIPKATRKALGVNPAETKSVKIN 78
DB 745 ELASNPPLKLENSKPEKVPYTKTKIAATKPEMTTAKDKTERDLRTPEPT-----TA 799
QY 79 GPKKQKPSFSAKTEKTEKIVTKSSVPASDAVPEIEKFFPNLDFESFLPEEPQIAH 138
DB 800 APKMTKEATL-----TEKTESKIVATTTQVSTTQDTTPKTKITTLAKRVITTK 855
QY 139 LPLSGVPLMLDDE-----GLEKLFQLGPPSPVKMSPSP 173
DB 856 KITTTTEIMNKPEETAKPKDRATNSKATTPKPKPTKAKRKP 897

```

```

TITLE OF INVENTION: Megakaryocyte Stimulating Factors
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/757,022B
FILING DATE: 19910910
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/643,502
FILING DATE: 18-JAN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/546,114
FILING DATE: 29-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/457,196
FILING DATE: 29-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cseert, Ldaan
REGISTRATION NUMBER: 31,822
REFERENCE/DOCKET NUMBER: G1 5190
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
TELEFAX: (617)876-5851
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 1046 amino acids
TYPE: AMINO ACID
TOPOLOGY: Linear
MOLECULE TYPE: protein
US-07-757-022B-58

Query Match: 7.8% Score 77 DB 4, Length 1046,
Best Local Similarity 21.6% Pred. No. 14;
Matches 35; Conservative 23; Mismatches 82; Indels 22; Gaps 4.

QY 25 KLSKRSIKALD-----GISQVITPRKQKTYDAPSAIIPKATRKALGVNPAETKSVKIN 78
DB 788 ELASNPPLKLENSKPEKVPYTKTKIAATKPEMTTAKDKTERDLRTPEPT-----TA 842
QY 79 GPKKQKPSFSAKTEKTEKIVTKSSVPASDAVPEIEKFFPNLDFESFLPEEPQIAH 138
DB 843 APKMTKEATL-----TEKTESKIVATTTQVSTTQDTTPKTKITTLAKRVITTK 896
QY 139 LPLSGVPLMLDDE-----GLEKLFQLGPPSPVKMSPSP 173
DB 899 KITTTTEIMNKPEETAKPKDRATNSKATTPKPKPTKAKRKP 940

```

RESULT 12  
US-07-757-022B-58  
Sequence 58, Application US/07757022B  
Patent No. 6433142  
GENERAL INFORMATION:  
APPLICANT: Cseert, Thomas G.  
APPLICANT: Clark, Stephen G.  
APPLICANT: Turner, Katherine  
APPLICANT: Hewick, Rodney M.

RESULT 13  
US-07-757-022B-104  
Sequence 104, Application US/07757022B  
Patent No. 6433142  
GENERAL INFORMATION:  
APPLICANT: Cseert, Thomas G.  
APPLICANT: Clark, Stephen G.  
APPLICANT: Turner, Katherine  
APPLICANT: Hewick, Rodney M.

CORRESPONDENCE ADDRESS:  
 ADDRESS: Genetics Institute, Inc.  
 STREET: 87 Cambridgepark Drive  
 CITY: Cambridge  
 STATE: Massachusetts  
 COUNTRY: U.S.A.  
 ZIP: 02140  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/757,022B  
 FILING DATE: 19910910  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/643,502  
 FILING DATE: 18-JAN-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/546,114  
 FILING DATE: 29-JUN-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/457,196  
 FILING DATE: 29-DEC-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/390,901  
 FILING DATE: 08-AUG-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gsett, Joann  
 REGISTRATION NUMBER: 31,822  
 REFERENCE/DOCKET NUMBER: G1 5190  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617)876-1170  
 TELEFAX: (617)876-5851  
 INFORMATION FOR SEQ ID NO: 104:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1140 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-757-022B-104

Query Match 7.88; Score 77; Dh 4; Length 140;  
 Best Local Similarity 21.6%; Pred. No. 15;  
 Matches 35; Conservative 23; Mismatches 82; Indels 22; Gaps 4.

QY 25 KLEFSIKAL...  
 DB 879 ELSAHTHRKAL...  
 QY 79 GPKKQDPSFSAKKTETKVTTRKSSVPSDVAPEIKFFFNITDFFSTDLPEPQIAH 138  
 DB 944 AKMKIKTAT...  
 QY 139 LPLSGVPLMLD...  
 DB 990 KTTTEIMNKPETFAKREKPAINSKATTPKPKPKPKPKPK 1031

RESULT 14  
 US-07-757-022B-44  
 Sequence 44, Application US/07757022B  
 Patent No. 643142  
 GENERAL INFORMATION:  
 APPLICANT: Gesser, Thomas G.  
 APPLICANT: Clark, Stephen G.  
 APPLICANT: Turner, Katherine  
 APPLICANT: Hovick, Rodney M.  
 TITLE OF INVENTION: Megakaryocyte Stimulating Factors  
 NUMBER OF SEQUENCES: 143  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Genetics Institute, Inc.

STREET: 87 Cambridgepark Drive  
 CITY: Cambridge  
 STATE: Massachusetts  
 COUNTRY: U.S.A.  
 ZIP: 02140  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/757,022B  
 FILING DATE: 19910910  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/643,502  
 FILING DATE: 18-JAN-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/546,114  
 FILING DATE: 29-JUN-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/457,196  
 FILING DATE: 29-DEC-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/390,901  
 FILING DATE: 08-AUG-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gsett, Joann  
 REGISTRATION NUMBER: 31,822  
 REFERENCE/DOCKET NUMBER: G1 5190  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617)876-1170  
 TELEFAX: (617)876-5851  
 INFORMATION FOR SEQ ID NO: 44:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1270 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-757-022B-44

Query Match 7.88; Score 77; Dh 4; Length 140;  
 Best Local Similarity 21.6%; Pred. No. 18;  
 Matches 35; Conservative 23; Mismatches 82; Indels 22; Gaps 4.

QY 25 KLEFSIKAL...  
 DB 745 HSAHTHRKAL...  
 QY 79 GPKKQDPSFSAKKTETKVTTRKSSVPSDVAPEIKFFFNITDFFSTDLPEPQIAH 138  
 DB 900 AKMKIKTAT...  
 QY 139 LPLSGVPLMLD...  
 DB 990 KTTTEIMNKPETFAKREKPAINSKATTPKPKPKPKPKPK 1031

RESULT 15  
 US-07-757-022B-42  
 Sequence 42, Application US/07757022B  
 Patent No. 643142  
 GENERAL INFORMATION:  
 APPLICANT: Gesser, Thomas G.  
 APPLICANT: Clark, Stephen G.  
 APPLICANT: Turner, Katherine  
 APPLICANT: Hovick, Rodney M.  
 TITLE OF INVENTION: Megakaryocyte Stimulating Factors  
 NUMBER OF SEQUENCES: 143  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Genetics Institute, Inc.  
 STREET: 87 Cambridgepark Drive  
 CITY: Cambridge

STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/757,022H  
FILING DATE: 19910910  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/643,502  
FILING DATE: 18-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/546,114  
FILING DATE: 29-JUN-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/457,196  
FILING DATE: 29-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/390,901  
FILING DATE: 08-APR-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Esert, Diana  
REGISTRATION NUMBER: 31,822  
REFERENCE/DOCKET NUMBER: G1 5190  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)876-1170  
TELEFAX: (617)876-5851  
INFORMATION FOR SEQ ID NO: 42:  
SOURCE CHARACTERISTICS:  
LENGTH: 1311 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US 07-757-022B-42

Query Match 7.88; Score 77; DB 4, length 1311;  
Host Local Similarity 21.68; Prod. No. 19;  
Matches 35; Conservative 23; Mismatched 82; Indels 22; Gaps 4;

QY 25 KLESRSIKALD-----GISQVLTPRFKGTVDAPSLPKATRKALGIVNRAATEKSVKTN 78  
DB 786 ELSAEPDPAKFNSTRKPEVPIKIPAAIKRPMITIAAKITPRKIKPTT-----TA 840

QY 79 GPRKQKQPSFSAKMTEKTVKTKSSVPASTAVPEIEFFEPENLDEESFQLEEQIAH 138  
DB 841 AFRKTKETATV---TEKTESKITATTTQVSTSTTQDTPPKITTLKTTLLAKVITTK 896

QY 139 LPLISGVPLMLDP-----GHAKLIPOLGPPSVKMSDP 173  
DB 897 KITITTEINMKPETAKPKDRATNSKATTPKPKPTKAKKFP 938

Search completed: December 27, 2002, 00:13:30  
Job time : 28 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Computer Ltd.

OM protein - protein search, using sw model

Run on: December 27, 2002, 00:11:34 : Search time 21 seconds

(without alignments)  
157,476 Million cell updates/sec

Title: US-09-854-326-64

Perfect score: 988

Sequence: 1 MATLIVYDKERIGPCTPVAA PWME/NLFAVSEKHSVDPC 191

Scoring table: MIOSSIM62

Gapop 10 0 , Gapovr 0 5

Searched: 109717 seqs, 1731436 residues

Total number of hits satisfying chosen parameters: 109717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA:

1: /seq2\_6/prodata/1/pub/paa/US08\_NEW\_PUB.pep.\*  
2: /seq2\_6/prodata/1/pub/paa/PTT\_NEW\_PUB.pep.\*  
3: /seq2\_6/prodata/1/pub/paa/US06\_NEW\_PUB.pep.\*  
4: /seq2\_6/prodata/1/pub/paa/US06\_PUB.pep.\*  
5: /seq2\_6/prodata/1/pub/paa/US07\_NEW\_PUB.pep.\*  
6: /seq2\_6/prodata/1/pub/paa/US07\_PUB.pep.\*  
7: /seq2\_6/prodata/1/pub/paa/PTT\_PUB.pep.\*  
8: /seq2\_6/prodata/1/pub/paa/US06\_NEW\_PUB.pep.\*  
9: /seq2\_6/prodata/1/pub/paa/US09\_NEW\_PUB.pep.\*  
10: /seq2\_6/prodata/1/pub/paa/US09\_PUB.pep.\*  
11: /seq2\_6/prodata/1/pub/paa/US10\_NEW\_PUB.pep.\*  
12: /seq2\_6/prodata/1/pub/paa/US10\_PUB.pep.\*  
13: /seq2\_6/prodata/1/pub/paa/US60\_NEW\_PUB.pep.\*  
14: /seq2\_6/prodata/1/pub/paa/US60\_PUB.pep.\*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	813	82.3	202	US-09-902-941	Sequence 1905, App1
2	813	82.3	202	US-09-949-476-4	Sequence 4, App1
3	813	82.3	202	US-09-949-271-4	Sequence 4, App1
4	813	82.3	202	US-09-949-272-4	Sequence 4, App1
5	813	82.3	202	US-09-777-422-4	Sequence 9, App1
6	653	66.1	146	US-09-745-763-119	Sequence 119, App
7	572	57.6	199	US-09-049-476-2	Sequence 2, App1
8	572	57.6	199	US-09-049-271-2	Sequence 2, App1
9	572	57.6	199	US-09-949-272-2	Sequence 2, App1
10	572	57.6	199	US-09-777-422-2	Sequence 2, App1
11	542	54.9	194	US-09-777-422-14	Sequence 14, App1
12	160	16.2	56	US-09-777-422-9	Sequence 9, App1
13	92	9.2	56	US-09-777-422-16	Sequence 16, App1
14	86	8.7	56	US-09-777-422-17	Sequence 17, App1
15	82.5	8.4	667	US-09-923-684-3	Sequence 3, App1
16	81.5	8.2	667	US-09-923-684-3	Sequence 3, App1
17	80	8.1	369	US-09-925-300	Sequence 154, App
18	80	8.1	693	US-09-752-639-154	Sequence 154, App
19	80	8.1	693	US-09-984-198-154	Sequence 154, App

20	80	8.1	1134	US-09-836-392-16
21	80	8.1	1247	US-09-862-027-76
22	79	9.0	266	US-09-864-961-4248
23	77	7.8	941	US-10-124-557-14
24	77	7.8	1022	US-10-124-557-14
25	77	7.8	1036	US-10-124-557-14
26	77	7.8	1049	US-10-124-557-14
27	77	7.8	1140	US-10-124-557-14
28	77	7.8	1270	US-10-124-557-14
29	77	7.8	1311	US-10-124-557-14
30	77	7.8	1313	US-10-124-557-14
31	77	7.8	1314	US-10-124-557-14
32	77	7.8	1420	US-10-124-557-14
33	77	7.8	1420	US-10-124-557-14
34	77	7.8	1554	US-10-124-557-14
35	77	7.8	1661	US-10-124-557-14
36	77	7.8	1662	US-10-124-557-14
37	77	7.8	1404	US-10-124-557-14
38	77	7.8	1404	US-10-124-557-14
39	76	7.7	1596	US-09-902-432-4
40	76	7.7	760	US-09-746-8014-27
41	75.5	7.6	948	US-10-029-2174-28
42	75.5	7.6	948	US-10-029-2174-28
43	75.5	7.6	1724	US-09-964-899-4
44	75.5	7.6	1724	US-09-964-899-4
45	75	7.6	461	US-10-007-694-72

#### ALIGNMENTS

##### RESULT 1

US-09-902-941 1905

Sequence 1905, App1: 941-941-941-941-941

Prod. No. 1905

GENPAA INFORMATION:

APPLICANT: Henderson, Robert A.

APPLICANT: Wang, Toudong

APPLICANT: Matsumoto, Yoshitomo

APPLICANT: Johnson, Jeffrey C.

APPLICANT: Kellie, Mark W.

APPLICANT: Mathewakis, Margarita

APPLICANT: Carter, Barry R.

APPLICANT: Fanger, Barry R.

APPLICANT: Vedrick, Thomas S.

APPLICANT: McNabb, Audia

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR T

FILE REFERENCE: 210121.478G17

CURRENT APPLICATION NUMBER: US-09-902-941

CURRENT FILING DATE: 2001-07-10

NUMBER OF SEQ ID NOS: 2002

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 1905

LENGTH: 202

TYPE: PRT

ORGANISM: Homo sapiens

US-09-902-941 1905

Query Match

Best Local Similarity

Matches 162: Conservative 1: Mismatches 153

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA

1 MATLIVYDKERIGPCTPVAA



TITLE OF INVENTION: GENE (PTTG)  
 FILE REFERENCE: 18810-81104  
 CURRENT APPLICATION NUMBER: US/09/777,422  
 PRIOR FILING DATE: 2001-02-05  
 PRIOR APPLICATION NUMBER: 09/730,464  
 PRIOR FILING DATE: 2000-12-04  
 PRIOR APPLICATION NUMBER: 09/687,911  
 PRIOR FILING DATE: 2000-10-13  
 PRIOR APPLICATION NUMBER: 09/569,956  
 PRIOR FILING DATE: 2000-05-12  
 PRIOR APPLICATION NUMBER: 08/894,251  
 PRIOR FILING DATE: 1999-07-23  
 PRIOR APPLICATION NUMBER: PCT/US86/21463  
 PRIOR FILING DATE: 1997-11-21  
 PRIOR APPLICATION NUMBER: 60/031,338  
 PRIOR FILING DATE: 1996-11-21  
 NUMBER OF SEQ ID NOS: 19  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO: 4  
 LENGTH: 202  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-777-422-4

Query Match 67.14 Score 813 DB 10 Local 252  
 Best Local Similarity 91.08: Pred. No. 1,2e-71  
 Matches 162: Conservative 1: Mismatches 15: Indels 0: Gaps 0:

QY 1 MATLIVYKKEIGHGVAAADVVKIKSKISNAKAGISVLTIPKCKTIDAVSAUKKAT 60  
 DB 1 MATLIVYKENGEGTGVAAKDKLKGSPSINKALDRSGVSTPREKTDAPPALEKAT 60  
 QY 61 KRALGVKALFKSVKNGCKKQKSPSSAKMKLEKIVKIKSSVPAASDUAYPELEKFPF 120  
 DB 61 KRALGVKALFKSVKNGCKKQKSPSSAKMKLEKIVKIKSSVPAASDUAYPELEKFPF 120  
 QY 121 NLDFESFDLEPQIAHLPLSVPMITTEEELEKIPVIGPPSPVKMSPWPFNL 178  
 DB 121 NLDFESFDLEPQIAHLPLSVPMITTEEELEKIPVIGPPSPVKMSPWPFNL 178

RESULT 6  
 US-09-745-763-119  
 Sequence 119: Application US/09/745,763  
 Patent No. US20020065394A1  
 GENERAL INFORMATION:  
 APPLICANT: Jacobs, Kenneth  
 McCoy, John M.  
 Lavallee, Edward R.  
 Collins-Racie, Lisa A.  
 Evans, Cheryl  
 Morberg, David  
 Itagacy, Maurice  
 Spaulding, Wilki

TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES  
 ENCODING THEM  
 NUMBER OF SEQUENCES: 219  
 CORRESPONDENCE ADDRESS:  
 ADDRESSER: Genetics Institute, Inc.  
 STREET: 87 Cambridgepark Drive  
 CITY: Cambridge  
 STATE: MA  
 COUNTRY: U.S.A.  
 ZIP: 02140

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/745,763  
 FILING DATE: 18-Jan-2000  
 CLASSIFICATION: <unknown>

ATTORNEY/AGENT INFORMATION:  
 NAME: Sprunger, Suzanne A.  
 REGISTRATION NUMBER: 41,323  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (417) 498-8484  
 TELEFAX: (417) 874-5041  
 INFORMATION FOR SEQ ID NO: 119:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 146 amino acids  
 TYPE: amino acid  
 STRANDDIRECTION: unknown  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 119:  
 US-09-745-763-119

Query Match 66.14 Score 654 DB 10 Local 109  
 Best Local Similarity 90.44: Pred. No. 2.4e-63  
 Matches 132: Conservative 1: Mismatches 13: Indels 0:

QY 1 MATLIVYKKEIGHGVAAADVVKIKSKISNAKAGISVLTIPKCKTIDAVSAUKKAT 60  
 DB 1 MATLIVYKENGEGTGVAAKDKLKGSPSINKALDRSGVSTPREKTDAPPALEKAT 60  
 QY 61 KRALGVKALFKSVKNGCKKQKSPSSAKMKLEKIVKIKSSVPAASDUAYPELEKFPF 120  
 DB 61 KRALGVKALFKSVKNGCKKQKSPSSAKMKLEKIVKIKSSVPAASDUAYPELEKFPF 120  
 QY 121 NLDFESFDLEPQIAHLPLSVPMITTEEELEKIPVIGPPSPVKMSPWPFNL 178  
 DB 121 NLDFESFDLEPQIAHLPLSVPMITTEEELEKIPVIGPPSPVKMSPWPFNL 178

RESULT 7  
 US-09-949-476-2  
 Sequence 2: Application US/09/949,476  
 Patent No. US20020068454A1  
 GENERAL INFORMATION:  
 APPLICANT: Shlomo Meir  
 Meir, Shlomo  
 TITLE OF INVENTION: COMPOSITIONS AND METHOD FOR DE  
 TITLE OF INVENTION: THE PRESENCE OF HUMAN PTTG PE

FILE REFERENCE: 18810-81107  
 CURRENT FILING DATE: 2001-09-07  
 PRIOR FILING DATE: 1997-07-23  
 PRIOR APPLICATION NUMBER: 08/600,411,438  
 PRIOR FILING DATE: 1996-11-21  
 NUMBER OF SEQ ID NOS: 4  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO: 2  
 LENGTH: 199  
 TYPE: PRT  
 ORGANISM: Rattus rattus  
 US-09-949-476-2

Query Match 67.94 Score 572.53 DB 10 Local 109  
 Best Local Similarity 66.94: Pred. No. 2.4e-48  
 Matches 117: Conservative 21: Mismatches 14: Indels 0:

QY 1 MATLIVYKKEIGHGVAAADVVKIKSKISNAKAGISVLTIPKCKTIDAVSAUKKAT 60  
 DB 1 MATLIVYKENGEGTGVAAKDKLKGSPSINKALDRSGVSTPREKTDAPPALEKAT 60  
 QY 61 KRALGVKALFKSVKNGCKKQKSPSSAKMKLEKIVKIKSSVPAASDUAYPELEKFPF 120  
 DB 61 KRALGVKALFKSVKNGCKKQKSPSSAKMKLEKIVKIKSSVPAASDUAYPELEKFPF 120  
 QY 121 NLDFESFDLEPQIAHLPLSVPMITTEEELEKIPVIGPPSPVKMSPWPFNL 178  
 DB 121 NLDFESFDLEPQIAHLPLSVPMITTEEELEKIPVIGPPSPVKMSPWPFNL 178







```

Patent No. H526026147162A1
GENERAL INFORMATION:
APPLICANT: Anthony F. Heaney (Inventor)
APPLICANT: Hiroki Ishikawa (Inventor)
APPLICANT: Run Yu (Inventor)
APPLICANT: Gregory A. Horwitz (Inventor)
APPLICANT: Xun Zhang (Inventor)
APPLICANT: Shlomo Melmed (Inventor)
TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY
TITRATING THE EXPRESSION OF TUMOR PROMOTING
TITLE OF INVENTION: GNF (PPTG)
FILE REFERENCE: 18810-81104
CURRENT APPLICATION NUMBER: US/09/777,422
CURRENT FILING DATE: 2001-02-05
PRIOR APPLICATION NUMBER: 09/730,469
PRIOR FILING DATE: 2000-12-04
PRIOR APPLICATION NUMBER: 09/687,911
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 09/469,956
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: 08/894,251
PRIOR FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: PCT/US86/21463
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/031,338
PRIOR FILING DATE: 1996-11-21
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17
LENGTH: 56
TYPE: PRF
ORGANISM: Mus musculus
US-09-777-422-17

```

Query Match	8.78;	Score 86;	DB 10;	Length 56;
Best Local Similarity	63.0%;	Pred No 0.955;		
Matches 17; Conservative	2;	Mismatches 8;	Indels 0;	Gaps 0;

QY 149 LDEGELEKLIQILPPSPVKMPPWE 175  
 1:1 1:1 1:1 1:1 1:1  
 Db 3 LNEERGLEKLIHLGPPSPVKTPPLSWE 29

```

RESULT 15
US-09-923-684-4
: Sequence 4, Application US/09923684
: Patent No. US200601613A1
: GENERAL INFORMATION:
: APPLICANT: Natarajan, Ramaswamy
: TITLE OF INVENTION: ASSOCIATION OF SIM2 WITH CARRIER
: FILE REFERENCE: 6818-24
: CURRENT APPLICATION NUMBER: US-09/923,684
: CURRENT FILING DATE: 2001-09-17
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: Patent version 3.1
: SEQ ID NO 4
: LENGTH: 570
: TYPE: prp
: ORGANISM: Homo sapiens
: US-09-923-684-4

```

Query Match	8.48;	Score 82.5;	DB 10;	Length 570;
Best local Similarity	23.28;	Pred. No. 2.9;		
Matches 43; Conservative	26;	Mismatches 77;	IndeIs 39;	Gaps 7;

[illegible]

```

UY      147 MIDDEG---ELEKLFQLGPP-----SPVK-MPSPEWENLFAVSFK 184
          |   |   |   |   |   |   |   |   |   |   |   |
Eb      464 K-I-D-L-E-S-N-Q-V-A-K-P-T-I-S-I-M-A-S-H-Q-D-M-Y-A-N-L-V-I-S-S-S-P-A-K-N-P-E-P- -A-N-I-A-R 517
          |   |   |   |   |   |   |   |   |   |   |   |
UY      185 HSYVLP 189
          || : |
Db      518 HSLLVP 522

```

Search completed: December 27, 2002, 00:20:16  
Job time : 22 secs



TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US01-15254-64

Query Match 100.0% Score 988, DB 1, Length 191:  
Host Local Similarity 100.0%; Pred. No. 1,66-93;  
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MATLIYVDEKEIGEPITFVAAKIVLKLESPSISKALDGSQVLTPEPCTYVAFSAIPKAT 60  
DB 1 MATLIYVDEKEIGEPITFVAAKIVLKLESPSISKALDGSQVLTPEPCTYVAFSAIPKAT 60  
QY 61 KRALGIVNATKSVKINCPKCKVUS-SAKKMTKIVKTKSSVVASDVAATVILKPEPF 120  
DB 61 KRALGIVNATKSVKINCPKCKVUS-SAKKMTKIVKTKSSVVASDVAATVILKPEPF 120  
QY 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180  
DB 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180

QY 181 VSEKHSVDPGC 191  
DB 181 VSEKHSVDPGC 191

## RESULT 2

PCT-US01-15437-64  
Sequence 64, Application PC/TUS0115437  
GENERAL INFORMATION:  
APPLICANT: Cedars-Sinai Medical Center (Applicant)  
APPLICANT: Anthony P. Heaney (Inventor)  
APPLICANT: Hiroki Isikawa (Inventor)  
APPLICANT: Run Yu (Inventor)  
APPLICANT: Gregory A. Horwitz (Inventor)  
APPLICANT: Kun Zhang (Inventor)  
APPLICANT: Shlomo Melmed (Inventor)  
APPLICANT: Anthony P. Heaney (Inventor)  
TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY  
TITLE OF INVENTION: REGULATING THE EXPRESSION OF PITUITARY TUMOR TRANSFORMING  
FILE REFERENCE: 18810-81110  
CURRENT APPLICATION NUMBER: PCT/US01/15437  
CURRENT FILING DATE: 2001-05-12  
PRIOR APPLICATION NUMBER: US 09/777,422  
PRIOR FILING DATE: 2001-02-05  
PRIOR APPLICATION NUMBER: US 09/730,469  
PRIOR FILING DATE: 2000-12-04  
PRIOR APPLICATION NUMBER: US 09/697,911  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: US 09/569,956  
PRIOR FILING DATE: 2000-05-12  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 64  
LENGTH: 191  
TYPE: PRT  
ORGANISM: Homo sapiens  
PCT-US01-15437-64

Query Match 100.0% Score 988, DB 1, Length 191:  
Host Local Similarity 100.0%; Pred. No. 1,66-93;  
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MATLIYVDEKEIGEPITFVAAKIVLKLESPSISKALDGSQVLTPEPCTYVAFSAIPKAT 60  
DB 1 MATLIYVDEKEIGEPITFVAAKIVLKLESPSISKALDGSQVLTPEPCTYVAFSAIPKAT 60  
QY 61 KRALGIVNATKSVKINCPKCKVUS-SAKKMTKIVKTKSSVVASDVAATVILKPEPF 120  
DB 61 KRALGIVNATKSVKINCPKCKVUS-SAKKMTKIVKTKSSVVASDVAATVILKPEPF 120  
QY 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180  
DB 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180

DB 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180  
QY 181 VSEKHSVDPGC 191  
DB 181 VSEKHSVDPGC 191

## RESULT 3

US-09-854-326-64  
Sequence 64, Application US/09854326  
GENERAL INFORMATION:  
APPLICANT: Torii R. Prezant (Inventor)  
APPLICANT: Shlomo Melmed (Inventor)  
APPLICANT: Anthony P. Heaney (Inventor)  
TITLE OF INVENTION: METHOD OF REGULATING BIOLOGICAL ACTIVITY  
TITLE OF INVENTION: OF PITUITARY TUMOR TRANSFORMING GENE (PTTG) USING PTTG2  
FILE REFERENCE: 18810-81401  
CURRENT APPLICATION NUMBER: US/09/854,326  
CURRENT FILING DATE: 2001-05-11  
PRIOR APPLICATION NUMBER: US09/740,469  
PRIOR FILING DATE: 2000-12-04  
PRIOR APPLICATION NUMBER: US 09/687,911  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: US 09/569,956  
PRIOR FILING DATE: 2000-05-12  
PRIOR APPLICATION NUMBER: US 09/894,251  
PRIOR FILING DATE: 1999-07-23  
PRIOR APPLICATION NUMBER: 181/0546,21463  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: US 60/031,338  
PRIOR FILING DATE: 1996-11-21  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 64  
LENGTH: 191  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-854-326-64

Query Match 100.0% Score 988, DB 2, Length 191:  
Best Local Similarity 100.0%; Pred. No. 1,66-93;  
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MATLIYVDEKEIGEPITFVAAKIVLKLESPSISKALDGSQVLTPEPCTYVAFSAIPKAT 60  
DB 1 MATLIYVDEKEIGEPITFVAAKIVLKLESPSISKALDGSQVLTPEPCTYVAFSAIPKAT 60  
QY 61 KRALGIVNATKSVKINCPKCKVUS-SAKKMTKIVKTKSSVVASDVAATVILKPEPF 120  
DB 61 KRALGIVNATKSVKINCPKCKVUS-SAKKMTKIVKTKSSVVASDVAATVILKPEPF 120  
QY 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180  
DB 121 NLDPESFDLPBEKQIAHLPLSGVPLMLIDEGELEKLFOLGPPSPVKMPPWECNIFA 180  
QY 181 VSEKHSVDPGC 191  
DB 181 VSEKHSVDPGC 191

## RESULT 4

PCT-US01-15254-4  
Sequence 4, Application PC/TUS0115254  
GENERAL INFORMATION:  
APPLICANT: Cedars-Sinai Medical Center (Applicant)  
APPLICANT: Anthony P. Heaney (Inventor)  
APPLICANT: Gregory A. Horwitz (Inventor)  
APPLICANT: Kun Zhang (Inventor)  
APPLICANT: Shlomo Melmed (Inventor)  
APPLICANT: Anthony P. Heaney (Inventor)  
TITLE OF INVENTION: PITUITARY TUMOR TRANSFORMING GENE (PTTG)  
TITLE OF INVENTION: CARBOXY-TERMINAL PEPTIDES AND METHODS OF USE THEREOF TO  
TITLE OF INVENTION: INHIBIT NEOPLASTIC CELLULAR PROLIFERATION AND/OR

1 TITLE OF INVENTION: TRANSFORMATION  
 2 FILE REFERENCE: 18810-81401  
 3 CURRENT APPLICATION NUMBER: PCT/US01/15254  
 4 CURRENT FILING DATE: 2001-05-12  
 5 PRIOR APPLICATION NUMBER: US 09/777,422  
 6 PRIOR FILING DATE: 2001-02-05  
 7 PRIOR APPLICATION NUMBER: US 09/730,469  
 8 PRIOR FILING DATE: 2000-12-04  
 9 PRIOR APPLICATION NUMBER: US 09/687,911  
 10 PRIOR FILING DATE: 2000-10-13  
 11 PRIOR APPLICATION NUMBER: US 09/569,956  
 12 PRIOR FILING DATE: 2000-05-12  
 13 NUMBER OF SEQ ID NOS: 68  
 14 SOFTWARE: FASTSEQ for Windows Version 4.0  
 15 SEQ ID NO: 4  
 16 LENGTH: 202  
 17 TYPE: PRI  
 18 ORGANISM: Homo sapiens  
 19 PCT-0501-15254-4

Query Match 82.3% Score 813 DB 1 Length 202  
 Best Local Similarity 91.0% Prod. No. 2.4e-75  
 Matches 162 Conservative 1 Mismatches 15 Gaps 0

QY 1 MATLIYVKEIGETGVAAKVIKESPSIKALDLSQVLPPEKPTDAVSAIPKAT 60  
 DB 1 MATLIYDKENGFPGTGVAAKVIKESPSIKALDLSQVLPPEKPTDAVSAIPKAT 60  
 QY 61 PPAITVNPATERKSVTNPPVAKVRSFSKAKMTEKTVFKSSVPSADAVPEIEKTV 120  
 DB 61 PPAITVNPATERKSVTNPPVAKVRSFSKAKMTEKTVFKSSVPSADAVPEIEKTV 120  
 QY 121 NLDFESFDLPEEPQIAHPLPSVPLMLIDPEELETEKLPDPPSPVKMSPWENL 178  
 DB 121 NLDFESFDLPEEPQIAHPLPSVPLMLIDPEELETEKLPDPPSPVKMSPWENL 178

RESULT 5  
 PCT-0501-15437-4  
 1 Sequence 4: Application PC/TUS0115437  
 2 GENERAL INFORMATION:  
 3 APPLICANT: Cedars-Sinai Medical Center (Applicant)  
 4 APPLICANT: Anthony P. Heaney (Inventor)  
 5 APPLICANT: Hiroki Ishikawa (Inventor)  
 6 APPLICANT: Run Yu (Inventor)  
 7 APPLICANT: Gregory A. Horwitz (Inventor)  
 8 APPLICANT: Xun Zhang (Inventor)  
 9 APPLICANT: Shlomo Melmed (Inventor)  
 10 APPLICANT: Anthony P. Heaney (Inventor)  
 11 TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY  
 12 TITLE OF INVENTION: REGULATING THE EXPRESSION OF PITUITARY TUMOR TRANSFORMING  
 13 FILE REFERENCE: 18810-81110  
 14 CURRENT APPLICATION NUMBER: PCT/US01/15437  
 15 PRIOR APPLICATION NUMBER: US 09/777,422  
 16 PRIOR FILING DATE: 2001-02-05  
 17 PRIOR APPLICATION NUMBER: US 09/730,469  
 18 PRIOR FILING DATE: 2000-12-04  
 19 PRIOR APPLICATION NUMBER: US 09/687,911  
 20 PRIOR FILING DATE: 2000-10-13  
 21 PRIOR APPLICATION NUMBER: US 09/569,956  
 22 PRIOR FILING DATE: 2000-05-12  
 23 NUMBER OF SEQ ID NOS: 68  
 24 SOFTWARE: FASTSEQ for Windows Version 4.0  
 25 SEQ ID NO: 4  
 26 LENGTH: 202  
 27 TYPE: PRI  
 28 ORGANISM: Homo sapiens  
 29 PCT-0501-15437-4  
 30 Query Match 82.3% Score 813 DB 1 Length 202  
 31 Best Local Similarity 91.0% Prod. No. 2.4e-75

Matches 162: Conservative 15 Mismatches 15

QY 1 MATLIYVKEIGETGVAAKVIKESPSIKALDLSQVLPPEKPTDAVSAIPKAT 60  
 DB 1 MATLIYDKENGFPGTGVAAKVIKESPSIKALDLSQVLPPEKPTDAVSAIPKAT 60  
 QY 61 PPAITVNPATERKSVTNPPVAKVRSFSKAKMTEKTVFKSSVPSADAVPEIEKTV 120  
 DB 61 PPAITVNPATERKSVTNPPVAKVRSFSKAKMTEKTVFKSSVPSADAVPEIEKTV 120  
 QY 121 NLDFESFDLPEEPQIAHPLPSVPLMLIDPEELETEKLPDPPSPVKMSPWENL 178  
 DB 121 NLDFESFDLPEEPQIAHPLPSVPLMLIDPEELETEKLPDPPSPVKMSPWENL 178

RESULT 6  
 US-09-001-403-69  
 1 Sequence 69: Application US/09-001-403-69  
 2 GENERAL INFORMATION:  
 3 APPLICANT: Lal, Prady  
 4 APPLICANT: Bandman, John  
 5 APPLICANT: Hillman, Jennifer L.  
 6 APPLICANT: Au-Yang, Jannet  
 7 APPLICANT: Tang, Y. Tom  
 8 APPLICANT: Yoo, Henry  
 9 APPLICANT: Shah, Parv  
 10 APPLICANT: Cheah, Kai J.  
 11 APPLICANT: Corley, Neil C.  
 12 TITLE OF INVENTION: HEMAN REGULATORY PROTEINS  
 13 NUMBER OF SEQUENCES: 150  
 14 CORRESPONDENCE ADDRESS:  
 15 STREET: 3174 PETER DRIVE  
 16 CITY: PALO ALTO  
 17 STATE: CALIFORNIA  
 18 COUNTRY: USA  
 19 ZIP: 94304  
 20 COMPUTER READABLE FORM:  
 21 MEDIUM TYPE: Floppy disk  
 22 COMPUTER: IBM PC compatible  
 23 OPERATING SYSTEM: PC DOS/MS DOS  
 24 SOFTWARE: Word Perfect 6.1 for Windows/MS DOS  
 25 CURRENT APPLICATION DATA:  
 26 APPLICATION NUMBER: US/09/001,403  
 27 FILING DATE: HERREWITH  
 28 CLASSIFICATION:  
 29 ATTORNEY/AGENT INFORMATION:  
 30 NAME: HILLINGS, JODY J.  
 31 REGISTRATION NUMBER: 36,744  
 32 REFERENCE/DOCKET NUMBER: IF 0455 US  
 33 TELECOMMUNICATION INFORMATION:  
 34 TELEPHONE: (650) 855-0555  
 35 TELEFAX: (650) 845-4166  
 36 INFORMATION FOR SEQ ID NOS: 69:  
 37 SEQUENCE CHARACTERISTICS:  
 38 LENGTH: 202 amino acids  
 39 TYPE: amino acid  
 40 STRANDEDNESS: single  
 41 TOPOLOGY: linear  
 42 IMMEDIATE SOURCE:  
 43 LIBRARY: OVARIUM  
 44 CLONE: 3257165  
 45 US-09-001-403-69

Query Match 82.3% Score 813 DB 1 Length 202  
 Best Local Similarity 91.0% Prod. No. 2.4e-75  
 Matches 162: Conservative 15 Mismatches 15

QY 1 MATLIYVKEIGETGVAAKVIKESPSIKALDLSQVLPPEKPTDAVSAIPKAT 60  
 DB 1 MATLIYDKENGFPGTGVAAKVIKESPSIKALDLSQVLPPEKPTDAVSAIPKAT 60  
 QY 61 PPAITVNPATERKSVTNPPVAKVRSFSKAKMTEKTVFKSSVPSADAVPEIEKTV 120  
 DB 61 PPAITVNPATERKSVTNPPVAKVRSFSKAKMTEKTVFKSSVPSADAVPEIEKTV 120  
 QY 121 NLDFESFDLPEEPQIAHPLPSVPLMLIDPEELETEKLPDPPSPVKMSPWENL 178  
 DB 121 NLDFESFDLPEEPQIAHPLPSVPLMLIDPEELETEKLPDPPSPVKMSPWENL 178

D6 61 PKATGVKATEKSVKTKAPLKQSPSPSAVKMTETVTKASSVPASNTAVPELEKEFFFE 120

OY 121 NLLPESLPLEPERQLAHPTSCVPMIDPPGCTPKFPAIGTPSPVKMSPWPCNL 178

D6 121 NPLDESDTDEEHLIALPLSGVTMLDPPRELEKFLQIAPPSPVKMSPSPENSL 178

RESULT 7  
US-09-569-956-4  
; Sequence 4, Application US/09569956  
GENERAL INFORMATION:

```

1  GENERAL INFORMATION:
2  APPLICANT: Cedars-Sinai Medical Center (Assignee):
3  APPLICANT: Gregory A. Rowley (Inventor):
4  APPLICANT: Xun Zhang (Inventor):
5  TITLE OF INVENTION: Shimo-Molmed (Inventor):
6  TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)
7  TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to
8  TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
9  TITLE OF INVENTION: Transformation
10 FILE REFERENCE: CDBAR-044527
11 CURRENT APPLICATION NUMBER: US 069/566,956
12 CURRENT FILING DATE: 2000-05-12
13 PRIOR APPLICATION NUMBER: US 08/804,251
14 PRIOR FILING DATE: 1999-07-23
15 PRIOR APPLICATION NUMBER: PCT/US97/21463
16 PRIOR FILING DATE: 1997-11-21
17 PRIOR APPLICATION NUMBER: US 60/031,338
18 PRIOR FILING DATE: 1996-11-21
19 NUMBER OF SEQ ID NOS: 19
20 SOFTWARE: FastSeq for Windows Version 4.0
21 SEQ ID NO 4

```

Query Match:	82.3%	Score 813	EB 19	Length 202
Host Local Similarity:	91.0%	Prod No. 2.46	75	
Matches 162:	Conservative	1	Mismatches 15	Indels 0
				Caps 0

[illegible]

RESULT 8  
 US-09-687-911-4  
 Sequence 4, Application US/09687911  
 GENERAL INFORMATION:  
 APPLICANT: MOSCYSIAV STOJKA (INVENTOR)  
 APPLICANT: GREGORY A. HORWITZ (INVENTOR)  
 APPLICANT: XUN ZHANG (INVENTOR)  
 APPLICANT: SHIOMO MELMED (INVENTOR)  
 TITLE OF INVENTION: MODULATING ACTIVATION OF LYMPHOCYTES AND  
 TITLE OF INVENTION: SCREENING POTENTIAL IMMUNOMODULATING AGENTS BY TARGETING  
 TITLE OF INVENTION: PITUITARY TUMOR TRANSFORMING GENE (PTTG) EXPRESSION AND/OR  
 TITLE OF INVENTION: FUNCTION  
 FILE REFERENCE: CEDAR-44649  
 CURRENT APPLICATION NUMBER: US/09/687,911  
 CURRENT FILING DATE: 2003-10-13  
 PRIOR APPLICATION NUMBER: 09/569,956  
 PRIOR FILING DATE: 2003-05-12  
 PRIOR APPLICATION NUMBER: 08/894,251  
 PRIOR FILING DATE: 1999-07-23

```

1 PRIOR APPLICATION NUMBER: P0170886/21463
2 PRIOR FILING DATE: 1997-11-21
3 PRIOR APPLICATION NUMBER: 60/031,338
4 PRIOR FILING DATE: 1996-11-21
5 NUMBER OF SEQ ID NOS: 19
6 SOFTWARE: FastSeq for Windows Version 4.0
7 SEQ ID NO: 4

```

Query Match:	82.38%	Score 813	DB 20	Length 202
Best Local Similarity:	91.08%	Pred. No.	2.4e-75	
Matches 162:	Conservative	1	Mismatches	15, Indels 0, Gaps 0

QY	1	MAT1YWKELCTGPG1PVAAKIVKIKLESKPS1KALUG1SUV11PKGN1YAPSAIPKAI	6
FB	1	MAT1YWKELCTGPG1PVAAKIKLESKPS1KALUG1SUV11PKGN1YAPSAIPKAI	6
QY	61	MAAT1YWKELCTGPG1PVAAKIVKIKLESKPS1KALUG1SUV11PKGN1YAPSAIPKAI	1
FB	61	MAAT1YWKELCTGPG1PVAAKIVKIKLESKPS1KALUG1SUV11PKGN1YAPSAIPKAI	1
QY	121	NLLEFESTDEEERKQIAHCEPLSTVFNILILEEGSELEKLEULSTPSVKKRSPPEMCENL	178
FB	121	NLLEFESTDEEERKQIAHCEPLSTVFNILILEEGSELEKLEULSTPSVKKRSPPEMCENL	178
QY	121	NLLEFESTDEEERKQIAHCEPLSTVFNILILEEGSELEKLEULSTPSVKKRSPPEMCENL	178
FB	121	NLLEFESTDEEERKQIAHCEPLSTVFNILILEEGSELEKLEULSTPSVKKRSPPEMCENL	178

RESULT 9  
US-09-730-469-4  
; Sequence 4, Application US/09730469

GENERAL INFORMATION:  
APPLICANT: Anthony P. Heaney  
APPLICANT: Gregory A. Horwitz  
APPLICANT: Xun Zhang  
APPLICANT: Shlomo Melamed  
TITLE OF INVENTION: Methods of Using Filariary Tumor  
TITLE OF INVENTION: Transferring Gene (PTG) Cathepsin b<sub>1</sub> and  
TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation And/or  
TITLE OF INVENTION: Transformation of Breast and Ovarian Cells  
FILE REFERENCE: CEDAR-45257  
CURRENT APPLICATION NUMBER: US/09/7730, 469  
CURRENT FILING DATE: 09/06/2009

```

1 CURRENT FILLING DATE: 2000-12-04
2 PRIOR APPLICATION NUMBER: US CIP 09/687,911
3 PRIOR FILLING DATE: 2000-10-13
4 PRIOR APPLICATION NUMBER: US CIP 09/569,456
5 PRIOR FILLING DATE: 2000-05-12
6 PRIOR APPLICATION NUMBER: US 08/894,251
7 PRIOR FILLING DATE: 1999-07-23
8 PRIOR APPLICATION NUMBER: PCI/US87/21463
9 PRIOR FILLING DATE: 1997-11-21
10 PRIOR APPLICATION NUMBER: US 60/031,338
11 PRIOR FILLING DATE: 1996-11-21
12 NUMBER OF SEQ ID NOS: 19
13 SOFTWARE: FASTSEQ for Windows Version 4.0
14 SEQ ID NO 4
15 LENGTH: 202
16 TYPE: PR1
17 ORGANISM: Homo sapiens
18 US-09-750-469-4

```

[illegible]

QY 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178  
 DB 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178

## RESULT 10

US-09-777-422-4  
 Sequence 4: Application US/09777422

GENERAL INFORMATION:  
 APPLICANT: Anthony P. Heaney (Inventor)  
 APPLICANT: Hiroki Ishikawa (Inventor)  
 APPLICANT: Kun Yu (Inventor)  
 APPLICANT: Gregory A. Horwitz (Inventor)  
 APPLICANT: Xun Zhao (Inventor)  
 APPLICANT: Shlomo Melmed (Inventor)  
 TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY  
 TITLE OF INVENTION: REGULATING THE EXPRESSION OF PITUITARY TUMOR TRANSFORMING  
 FILE REFERENCE: 18810-81104  
 CURRENT APPLICATION NUMBER: US 09/777 422  
 CURRENT FILING DATE: 2001-02-05  
 PRIOR APPLICATION NUMBER: 09/770,469  
 PRIOR FILING DATE: 2000-12-04  
 PRIOR APPLICATION NUMBER: 09/587,911  
 PRIOR FILING DATE: 2000-10-13  
 PRIOR APPLICATION NUMBER: 09/569,956  
 PRIOR FILING DATE: 2000-05-12  
 PRIOR APPLICATION NUMBER: 08/894,251  
 PRIOR FILING DATE: 1999-07-23  
 PRIOR APPLICATION NUMBER: PCT/US86/21463  
 PRIOR FILING DATE: 1987-11-21  
 PRIOR APPLICATION NUMBER: 60/931,348  
 PRIOR FILING DATE: 1996-11-21  
 NUMBER OF SEQ ID NOS: 19  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 4  
 LENGTH: 202  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-777-422-4

Query Match: 62.4%, Score 813, DB 21, Length 202,  
 Best Local Similarity: 91.0%, Prod. No. 2,40-75,  
 Matches 162, Conservative 1, Mismatches 15, Gaps 0:

QY 1 MATLIYDKEIGEPGTVAANKDVKIESPSIKALDQISVLTTPRKATYDAPSAIPKAT 60  
 DB 1 MATLIYDKEIGEPGTVAANKDVKIESPSIKALDQISVLTTPRKATYDAPSAIPKAT 60  
 QY 61 KKAATVNPATERSVKTNGSPKQKPSAKKMTKTKTKSSVPSADDAYPEIEKFFPP 120  
 DB 61 KKAATVNPATERSVKTNGSPKQKPSAKKMTKTKTKSSVPSADDAYPEIEKFFPP 120  
 QY 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178  
 DB 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178

## RESULT 11

US-09-849-626-1905  
 Sequence 1905: Application US/09849626

GENERAL INFORMATION:  
 APPLICANT: Banquet, Chaitanya  
 APPLICANT: Banquet, Gary  
 APPLICANT: Wang, Aijun  
 APPLICANT: Wang, Jiongong  
 APPLICANT: Switzer, Anne  
 APPLICANT: McNeill, Patricia  
 APPLICANT: Chappert, Jonathan  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
 FILE REFERENCE: 210121.478C16

CURRENT APPLICATION NUMBER: US/09/849,626  
 CURRENT FILING DATE: 2001-05-04  
 NUMBER OF SEQ ID NOS: 1926  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 1905  
 LENGTH: 202  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-849-626-1905

Query Match: 62.4%, Score 813, DB 21,  
 Best Local Similarity: 91.0%, Prod. No. 2,40-75,  
 Matches 162, Conservative 1, Mismatches 15:

QY 1 MATLIYDKEIGEPGTVAANKDVKIESPSIKALDQISVLTTPRKATYDAPSAIPKAT 60  
 DB 1 MATLIYDKEIGEPGTVAANKDVKIESPSIKALDQISVLTTPRKATYDAPSAIPKAT 60  
 QY 61 KKAATVNPATERSVKTNGSPKQKPSAKKMTKTKTKSSVPSADDAYPEIEKFFPP 120  
 DB 61 KKAATVNPATERSVKTNGSPKQKPSAKKMTKTKTKSSVPSADDAYPEIEKFFPP 120  
 QY 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178  
 DB 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178

## RESULT 12

US-09-854-326-4  
 Sequence 4: Application US/09854326

GENERAL INFORMATION:  
 APPLICANT: Tom R. Prozat (Inventor)  
 APPLICANT: Shlomo Melmed (Inventor)  
 APPLICANT: Anthony P. Heaney (Inventor)  
 TITLE OF INVENTION: METHODS OF MODULATING ANGIOGENESIS BY  
 TITLE OF INVENTION: REGULATING THE EXPRESSION OF PITUITARY TUMOR TRANSFORMING  
 FILE REFERENCE: 18810-81104  
 CURRENT APPLICATION NUMBER: US 09/854,326  
 CURRENT FILING DATE: 2001-05-11  
 PRIOR APPLICATION NUMBER: US09/770,469  
 PRIOR FILING DATE: 2000-12-04  
 PRIOR APPLICATION NUMBER: 08/894,251  
 PRIOR FILING DATE: 1999-07-23  
 PRIOR APPLICATION NUMBER: PCT/US86/21463  
 PRIOR FILING DATE: 1987-11-21  
 PRIOR APPLICATION NUMBER: 60/931,348  
 PRIOR FILING DATE: 1996-11-21  
 NUMBER OF SEQ ID NOS: 66  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 4  
 LENGTH: 202  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-854-326-4

Query Match: 62.4%, Score 813, DB 21,  
 Best Local Similarity: 91.0%, Prod. No. 2,40-75,  
 Matches 162, Conservative 1, Mismatches 15:

QY 1 MATLIYDKEIGEPGTVAANKDVKIESPSIKALDQISVLTTPRKATYDAPSAIPKAT 60  
 DB 1 MATLIYDKEIGEPGTVAANKDVKIESPSIKALDQISVLTTPRKATYDAPSAIPKAT 60  
 QY 61 KKAATVNPATERSVKTNGSPKQKPSAKKMTKTKTKSSVPSADDAYPEIEKFFPP 120  
 DB 61 KKAATVNPATERSVKTNGSPKQKPSAKKMTKTKTKSSVPSADDAYPEIEKFFPP 120  
 QY 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178  
 DB 121 MLTFFESFDLPEEHQIAHLPSGVPLMLIDEELEKRLQJAPPSVVKMSPWESNL 178

Db 121 NPLDFESFLPEEHQIAHLPLSGVPLMLDDEGELEKLFQJGPPSPVAKMSPWESNL 178

## RESULT 13

US-09-949-270-4

Sequence 1905, Application US/09902941

GENERAL INFORMATION:

APPLICANT: Henderson, Robert A.

APPLICANT: Wada, Tomotono

APPLICANT: Mahane, Yoshihiro

APPLICANT: Johnson, Jeffrey C.

APPLICANT: Ketter, Marc W.

APPLICANT: Marnetakis, Margarita

APPLICANT: Carter, Darrick

APPLICANT: Fanger, Gary R.

APPLICANT: Vedvick, Thomas S.

APPLICANT: Bangur, Chailanya S.

APPLICANT: McNabb, Andrea

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

FILE REFERENCE: 210121.478C17

CURRENT APPLICATION NUMBER: us/09/902 941

CURRENT FILING DATE: 2001-07-10

NUMBER OF SEQ ID NOS: 2002

SOFTWARE: FASTSQ for Windows Version 4.0

SEQ ID NO 1905

LENGTH: 202

TYPE: PRT

ORGANISM: Homo sapiens

US-09-949-270-4

Query Match

Best local similarity 91.0%; Score 813; DB 23; Length 202;

Matches 162; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Query Match 82.3%; Score 813; DB 23; Length 202;

Best local similarity 91.0%; Pred. No. 2.4e-75;

Matches 162; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Db 1 MATIYVKEKEIGEPSTRVAAKDVLEKESPSIKALDGISQVLTFRFGKYDAPSALEPKAT 60

Search completed: December 27, 2002, 00:18:41

Job time: 292 secs



GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd

OM protein - protein search, using sw model

Run on: December 27, 2002, 00:07:04, Search time: 33 seconds

title:	US-09-854-326-64
perfect score:	688

Sequence: 1 MALLLYVDKRIQPIRVAA.....PPWHCNLFAYS-KHSVDPGC 191

### Scoring table

БЛОКОВЫЕ  
 10.0 , 10.0

Searched: 252184 sqgs. 64459581 resolved

Total number of hits satisfying chosen parameters: 252184

```
Minimum DR seq length: 0
Maximum DR seq length: 20000000000
```

Post-processing: Minimum Match 08

**Databusc**

```

1: /csm2_6/prod/daa/4/paa/PCINM.COMB.pcp: *
2: /csm2_6/prod/daa/4/paa/US06_NIM.COMB.pcp:
3: /csm2_6/prod/daa/4/paa/US07_NIM.COMB.pcp:
4: /csm2_6/prod/daa/4/paa/US08_NIM.COMB.pcp:
5: /csm2_6/prod/daa/4/paa/US09_NIM.COMB.pcp:
6: /csm2_6/prod/daa/4/paa/US10_NIM.COMB.pcp:
7: /csm2_6/prod/daa/4/paa/US00_NIM.COMB.pcp:

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARY

Result No.	Score	Query Match	Length	DR	ID	Description
1	813	82.3	202	1	US-10-283-372-4	Sequence 1905, April 1, 1905
2	813	82.3	202	1	US-10-283-372-4	Sequence 1905, April 1, 1905
3	813	82.3	202	6	US-10-283-771-4	Sequence 4, April 1, 1905
4	813	82.3	202	6	US-10-283-771-4	Sequence 4, April 1, 1905
5	813	82.3	202	6	US-10-283-876-9	Sequence 4, April 1, 1905
6	813	82.3	202	6	US-10-283-876-9	Sequence 4, April 1, 1905
7	813	82.3	202	6	US-10-283-876-9	Sequence 4, April 1, 1905
8	813	82.3	202	6	US-10-283-876-9	Sequence 4, April 1, 1905
9	572.5	57.9	199	6	US-10-283-771-4	Sequence 2, April 1, 1905
10	572.5	57.9	199	6	US-10-283-771-4	Sequence 2, April 1, 1905
11	572.5	57.9	199	6	US-10-283-771-4	Sequence 2, April 1, 1905
12	572.5	57.9	199	6	US-10-283-771-4	Sequence 2, April 1, 1905
13	572.5	57.9	199	6	US-10-283-876-9	Sequence 2, April 1, 1905
14	572.5	57.9	199	6	US-10-283-876-9	Sequence 2, April 1, 1905
15	542	54.9	194	6	US-10-283-876-9	Sequence 2, April 1, 1905
16	542	54.9	194	6	US-10-283-876-9	Sequence 2, April 1, 1905
17	542	54.9	194	6	US-10-283-771-4	Sequence 14, April 1, 1905
18	542	54.9	194	6	US-10-283-771-4	Sequence 14, April 1, 1905
19	542	54.9	194	6	US-10-283-876-9	Sequence 14, April 1, 1905
20	542	54.9	194	6	US-10-283-876-9	Sequence 14, April 1, 1905
21	466	47.2	124	6	US-09-513-999C	Sequence 4933, April 1, 1905
22	160	16.2	56	6	US-10-283-771-4	Sequence 9, April 1, 1905
23	160	16.2	56	6	US-10-283-771-4	Sequence 9, April 1, 1905
24	160	16.2	56	6	US-10-283-876-9	Sequence 9, April 1, 1905
25	160	16.2	56	6	US-10-283-876-9	Sequence 9, April 1, 1905
26	160	16.2	56	6	US-10-283-876-9	Sequence 9, April 1, 1905

## ALIGNMENT

[illegible]

## RESULTS

PCI-US02-34777-1905

; Sequence 1905, Application F-7708 234777

## GENERAL INFORMATION ;

1 APPLICANT: Corixa Corporation  
 2 APPLICANT: Henderson, Robert A.  
 3 APPLICANT: Many, Jonathan  
 4 APPLICANT: Matsuda, Yoshitomo  
 5 APPLICANT: Kalos, Michael D.  
 6 APPLICANT: Sleath, Paul K.  
 7 APPLICANT: Johnson, Jeffrey C.  
 8 APPLICANT: Kiefer, Marc W.  
 9 APPLICANT: Durham, Martha  
 10 APPLICANT: Carter, Derrick  
 11 APPLICANT: Fung, Gary K.  
 12 APPLICANT: Vedrick, Thomas S.  
 13 APPLICANT: Banquet, Chantaya S.  
 14 APPLICANT: McAdd, Andrea  
 15 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE  
 16 FILE REFERENCE: 20121.4780.P2  
 17 CURRENT PUBLICATION NUMBER: EP 2012/073477  
 18 CURRENT FILING DATE: 2002/10/28  
 19 NUMBER OF SEQ ID NOS: 2157  
 20 SOFTWARE: FastSeq for Windows Version 4.0  
 21 SEQ ID NO 1005  
 22 LENGTH: 202  
 23 TYPE: PRT  
 24 ORGANISM: Homo sapiens  
 25

Query Match

Matches 162, Conservative 11, Mismatches 15;

[illegible]

```

1 Sequence 4 Application 08/70264772
2
3 GENERAL INFORMATION:
4 APPLICANT: Anthony P. Heaney (Inventor)
5 APPLICANT: Salmo Melmed (Inventor)
6 TITLE OF INVENTION: Transgenic Cells Transfected with Pituitary
7 TITLE OF INVENTION: Tumor Transforming Gene (PTTG) Expression Vectors
8 TITLE OF INVENTION: and Uses Thereof
9 FILE REFERENCE: 18810-82251
10
11 CURRENT APPLICATION NUMBER: US/10,7264,372
12 CURRENT FILING DATE: 2002-10-04
13
14 PRIOR APPLICATION NUMBER: US 09/854,326
15 PRIOR FILING DATE: 2001-05-11
16
17 PRIOR APPLICATION NUMBER: US 09/777,422
18 PRIOR FILING DATE: 2001-02-05
19
20 PRIOR APPLICATION NUMBER: US 09/730,469
21 PRIOR FILING DATE: 2000-012-04
22
23 PRIOR APPLICATION NUMBER: US 09/687,911
24 PRIOR FILING DATE: 2000-10-13
25
26 PRIOR APPLICATION NUMBER: US 09/569,956
27 PRIOR FILING DATE: 2000-05-12
28
29 PRIOR APPLICATION NUMBER: US 08/894,251
30 PRIOR FILING DATE: 1999-07-23
31
32 PRIOR APPLICATION NUMBER: PCT/US97/21463
33 PRIOR FILING DATE: 1997-11-21
34
35 PRIOR APPLICATION NUMBER: US 60/031,338
36 PRIOR FILING DATE: 1996-11-21
37
38 NUMBER OF SEQ ID NOS: 6
39
40 SOFTWARE: FastSeq for Windows Version 4.0
41
42 SEQ ID NO 4
43
44 LENGTH: 202
45
46 TYPE: PRT
47
48 ORGANISM: Homo sapiens
49
50 US-10-264-372-4
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
```

```

1 RESULT 3
2 US-10-283-771 4
3 Sequence 4, Application US/10283771
4 GENERAL INFORMATION:
5 APPLICANT: Cedars-Sinai Medical Center (Assignee);
6 APPLICANT: Gregory A. Horvitz (Inventor);
7 APPLICANT: Xun Zhang (Inventor);
8 APPLICANT: Shlomo Melamed (Inventor)
9 TITLE OF INVENTION: Mitotary Tumor Transforming Gene (PTTC)
10 TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to
11 TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
12 TITLE OF INVENTION: Translocation
13 FILE REFERENCE: CEDAF-044527
14 CURRENT APPLICATION NUMBER: US/10/283,771
15 CURRENT FILING DATE: 2902-10-29
16 PRIOR APPLICATION NUMBER: US/09/569,956
17 PRIOR FILING DATE: 2000-05-12
18 PRIOR APPLICATION NUMBER: US 08/894,251
19 PRIOR FILING DATE: 1999-07-23
20 PRIOR APPLICATION NUMBER: PCT/US97/21463
21 PRIOR FILING DATE: 1997-11-21

```

```

? PRIOR APPLICATION NUMBER: US 60/031,338
? PRIOR FILING DATE: 1996-11-21
? NUMBER OF SEQ ID NOS: 19
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO 4
? LENGTH: 202
? TYPE: PRT
? ORGANISM: Homo sapiens
? OS: 16-283-771-4

Query Match      82.3%   Score 813   DB 6   Length 202
Host Local Similarity 91.0%   Pred No. 5,56-65
Matches 162; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

```

07	1	MATLIVDEIGETPRVAKATVLKESBESIKALLM2LSVLLPREGKLYANSPLEPAT	60
Db	1	MATLIVDEKENEPREPRVAKKIKLINSOSPITALPERSQVSTPREKGTAFAPALPRAT	60
07	61	KRALIVNATKESVSTINSPKOKVSTSAMMENSVFESSVASHVATINDEKPEPE	120
Db	61	KRALIVNATKESVSTKPEPLKOKPSTSAKKIKERTVAKSSVANDIAPEIEKEPPE	120
07	121	MILDESFOLPEERQJAHPLPSGVPLMIDEBSELEKVLQAGPSPVKKPSPMECNL	178
Db	121	N2P2DSEFOLPEERQJAHPLPSGVPLMIDEBSELEKVLQAGPSPVKKPSPMECNL	178

```

1 RESULT 4
2 US-10-283-797-4
3 Sequence 4, Application US/10283797
4 GENERAL INFORMATION:
5 APPLICANT: Cedars-Sinai Medical Center (Assignee);
6 APPLICANT: Gregory A. Hewitt (Inventor);
7 APPLICANT: Xun Zhang (Inventor);
8 APPLICANT: Shlomo Melamed (Inventor)
9 TITLE OF INVENTION: Pituitary tumor transforming gene (pttg)
10 TITLE OF INVENTION: Carboxy-terminal Peptides and Methods of Use Thereof to
11 TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
12 TITLE OF INVENTION: Transformation
13 FILE REFERENCE: CEDAR-044527
14 CURRENT APPLICATION NUMBER: US/10/293,797
15 CURRENT FILING DATE: 2002-10-29
16 PRIOR APPLICATION NUMBER: US/09/569,956
17 PRIOR FILING DATE: 2000-05-12
18 PRIOR APPLICATION NUMBER: US 08/894,251
19 PRIOR FILING DATE: 1999-07-23
20 PRIOR APPLICATION NUMBER: PCT/US97/21463
21 PRIOR FILING DATE: 1997-11-21
22 PRIOR APPLICATION NUMBER: US 60/031,338
23 PRIOR FILING DATE: 1996-11-21
24 NUMBER OF SEQ ID NOS: 19
25 SOFTWARE: FastSeq for Windows Version 4.0
26 SEQ ID NO 4
27 LENGTH: 202
28 TYPE: PRT
29 ORGANISM: homo sapiens
30 US-10-283-797-4

```

Query Match	82.3%	Score 813	DB 6	Length 202
Post Local Similarity	91.0%	Prod. No. 5.6e-65		
Matches 162	Conservative 1	Mismatches 15	Indels 0	Gaps
QY	1	MATLIVYKEKEPPQTPVAAKVIKRIPEPPTVALNGISVATEPFRKYEAFAALKKAT	60	
Db	1	MATLIVYDKNENPPTPVAVDGLKLSGPSINKALGPGVSTPEFGITFAPALKKAI	60	
QY	61	PKALDLYVNALEENSVKINDPNKNGPSSSAFMMLELVTKSSVASTVAVPELEKPPF	120	
Db	61	PKALGVNPAATEKSVTKSGPLKQGPSFSAKMKETIVAASSVASEAVPELEKPEF	120	
QY	121	NILDFESFPLPEERQIAHPLPSVPLMLIDEEBELKLTGLYAPPVPMRPPWECNM	178	
Db	121	NILDFESFPLPEERQIAHPLPSGVNMLIDEEBELKLNGLYDGPVPMRPPWESNM	178	

RESULT 5  
US-10-283-876-4

Sequence 4: Application US/10284126

GENERAL INFORMATION:

APPLICANT: Cedars-Sinai Medical Center (Assignee):

APPLICANT: Gregory A. Horwitz (Inventor):

APPLICANT: Xun Zhang (Inventor):

TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)

TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to

TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or

TITLE OF INVENTION: Transformation

FILE REFERENCE: CDAR-044527

CURRENT APPLICATION NUMBER: US/10/283,876

PRIOR APPLICATION NUMBER: US/09/569,956

PRIOR FILING DATE: 2000-05-12

PRIOR APPLICATION NUMBER: US 08/894,251

PRIOR FILING DATE: 1999-07-23

PRIOR APPLICATION NUMBER: PCT/US97/21463

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: US 60/031,338

PRIOR FILING DATE: 1996-11-21

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 202

TYPE: PRI

ORGANISM: Homo sapiens

US-10-283-876-4

Query Match

Best Local Similarity 91.08; Score 813; DB 6; Length 202;

Matches 162; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

DB 1 MATIYVDEKELGEPRTVAAKDVLEKLESRSIKALDGLSVLPFRKRTYDAPSALEPKAT 60  
1 MATIYVDEKELGEPRTVAAKDVLEKLESRSIKALDGLSVLPFRKRTYDAPSALEPKAT 60  
DB 61 KRALGVNPAKATSVKTNQPKPKKPSAKKMKTEKTVTFSSVPAASQVYPTKFFFPF 120  
61 KRALGVNPAKATSVKTNQPKPKKPSAKKMKTEKTVTFSSVPAASQVYPTKFFFPF 120  
DB 121 NLLPFESEDLPEHQIAHLPLSGVPLMLIDDEKELEKLPQLGPPSPVKMSPEWESNL 178  
121 NLLPFESEDLPEHQIAHLPLSGVPLMLIDDEKELEKLPQLGPPSPVKMSPEWESNL 178

RESULT 6

US-10-284-126-4

Sequence 4: Application US/10284126

GENERAL INFORMATION:

APPLICANT: Cedars-Sinai Medical Center (Assignee):

APPLICANT: Gregory A. Horwitz (Inventor):

APPLICANT: Xun Zhang (Inventor):

TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)

TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to

TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or

TITLE OF INVENTION: Transformation

FILE REFERENCE: CDAR-044527

CURRENT APPLICATION NUMBER: US/10/284,126

PRIOR APPLICATION NUMBER: US/09/569,956

PRIOR FILING DATE: 2000-05-12

PRIOR APPLICATION NUMBER: US 08/894,251

PRIOR FILING DATE: 1999-07-23

PRIOR APPLICATION NUMBER: PCT/US97/21463

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: US 60/031,338

PRIOR FILING DATE: 1996-11-21

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 202

TYPE: PRI

ORGANISM: Homo sapiens

US-10-284-126-4

Query Match

Best Local Similarity 91.08; Score 813; DB 6; Length 202;

Matches 162; Conservative 1; Mismatches 15;

DB 1 MATIYVDEKELGEPRTVAAKDVLEKLESRSIKALDGLSVLPFRKRTYDAPSALEPKAT 60  
1 MATIYVDEKELGEPRTVAAKDVLEKLESRSIKALDGLSVLPFRKRTYDAPSALEPKAT 60  
DB 61 KRALGVNPAKATSVKTNQPKPKKPSAKKMKTEKTVTFSSVPAASQVYPTKFFFPF 120  
61 KRALGVNPAKATSVKTNQPKPKKPSAKKMKTEKTVTFSSVPAASQVYPTKFFFPF 120  
DB 121 NLLPFESEDLPEHQIAHLPLSGVPLMLIDDEKELEKLPQLGPPSPVKMSPEWESNL 178  
121 NLLPFESEDLPEHQIAHLPLSGVPLMLIDDEKELEKLPQLGPPSPVKMSPEWESNL 178

RESULT 7

US-10-283-017-1905

Sequence 1905: Application US/10284017

GENERAL INFORMATION:

APPLICANT: Henderson, Robert A.

APPLICANT: Wang, Tongtong

APPLICANT: Watanabe, Yoshitomo

APPLICANT: Kalos, Michael D.

APPLICANT: Steath, Paul K.

APPLICANT: Johnson, Jeffrey C.

APPLICANT: Reller, Marc W.

APPLICANT: Durham, Margarita

APPLICANT: Carter, Darick

APPLICANT: Vetter, Thomas S.

APPLICANT: Banbury, Chaitanya S.

APPLICANT: McNabb, Andria

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.478730

CURRENT APPLICATION NUMBER: US/09/569,956

PRIOR FILING DATE: 2002-10-28

NUMBER OF SEQ ID NOS: 2197

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 1905

LENGTH: 202

TYPE: PRI

ORGANISM: Homo sapiens

US-10-283-017-1905

Query Match

Best Local Similarity 91.08; Score 813; DB 6; Length 202;

Matches 162; Conservative 1; Mismatches 15;

DB 1 MATIYVDEKELGEPRTVAAKDVLEKLESRSIKALDGLSVLPFRKRTYDAPSALEPKAT 60  
1 MATIYVDEKELGEPRTVAAKDVLEKLESRSIKALDGLSVLPFRKRTYDAPSALEPKAT 60  
DB 61 KRALGVNPAKATSVKTNQPKPKKPSAKKMKTEKTVTFSSVPAASQVYPTKFFFPF 120  
61 KRALGVNPAKATSVKTNQPKPKKPSAKKMKTEKTVTFSSVPAASQVYPTKFFFPF 120  
DB 121 NLLPFESEDLPEHQIAHLPLSGVPLMLIDDEKELEKLPQLGPPSPVKMSPEWESNL 178  
121 NLLPFESEDLPEHQIAHLPLSGVPLMLIDDEKELEKLPQLGPPSPVKMSPEWESNL 178

RESULT 8

```

US-10-283-874-4
: Sequence 4, Application US/10283874
: GENERAL INFORMATION:
: APPLICANT: Cedars Sinai Medical Center (Assignee);
: APPLICANT: Gregory A Horwitz (Inventor);
: APPLICANT: Xun Zhang (Inventor);
: APPLICANT: Shlomo Melmed (Inventor);
: TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)
: TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to
: TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
: TITLE OF INVENTION: Transformation
: FILE REFERENCE: CEDAR-044527
: CURRENT APPLICATION NUMBER: US/10/283,874
: PRIORITY FILING DATE: 2002-10-29
: PRIOR APPLICATION NUMBER: US-66-569,956
: PRIOR FILING DATE: 2000-05-12
: PRIOR APPLICATION NUMBER: US-08/894,251
: PRIOR FILING DATE: 1999-07-23
: PRIOR APPLICATION NUMBER: US-08/894,251
: PRIOR FILING DATE: 1997-11-21
: PRIOR APPLICATION NUMBER: US-60/031,338
: PRIOR FILING DATE: 1996-11-21
: NUMBER OF SEQ ID NOS: 19
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 4
: LENGTH: 202
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-283-874-4

Query Match
Best local Similarity 91.0%; Pred. No. 5,66-65; Length 202;
Matches 162; Conservative 1; Mismatches 15; Indels 0; Gaps 0.

QY 1 MATLYVEKEIEEPITPAVAKVTLKEESPISKALGISVLTPEFGKYDAPSAIPKAT 60
DB 1 MATLYVKEKNCNPGIIVANIKELKSGSPSKALGSGVSTPEFGKYPAPLIPKAT 60
QY 61 KRALGVNATKESVKYNPPKQKPPSPSAKMKTEKYTKTSSVPAQNDVPEIEKPEPF 120
DB 61 PRAIVTNVATKESVKYNPPKQKPPSPSAKMKTEKYTKTSSVPAQNDVPEIEKPEPF 120
QY 121 NLDEPESFDLPERRQIAHLPLSGVPLMLIDEGSELEKIFQUGPSPVKMSPWME 178
DB 121 NLDEPESFDLPERRQIAHLPLSGVPLMLIDEGSELEKIFQUGPSPVKMSPWME 178

RESULT 9
US-10-264-372-2
: Sequence 2, Application US/10264372
: GENERAL INFORMATION:
: APPLICANT: Anthony F. Heaney (Inventor);
: APPLICANT: Shlomo Melmed (Inventor);
: TITLE OF INVENTION: Transgenic Cells Transfected with Pituitary
: TITLE OF INVENTION: Tumor Transforming Gene (PTTG) Expression Vectors
: FILE REFERENCE: 18810-82251
: CURRENT APPLICATION NUMBER: US/10/264,372
: PRIORITY FILING DATE: 2002-10-04
: PRIOR APPLICATION NUMBER: US-09/854,326
: PRIOR FILING DATE: 2001-05-11
: PRIOR APPLICATION NUMBER: US-09/777,422
: PRIOR FILING DATE: 2001-02-05
: PRIOR APPLICATION NUMBER: US-09/730,469
: PRIOR FILING DATE: 2000-012-04
: PRIOR APPLICATION NUMBER: US-09/687,911
: PRIOR FILING DATE: 2000-10-13
: PRIOR APPLICATION NUMBER: US-09/569,956
: PRIOR FILING DATE: 2000-05-12
: PRIOR APPLICATION NUMBER: US-08/894,251
: PRIOR FILING DATE: 1999-07-23
: PRIOR APPLICATION NUMBER: PCT/US97/21463
: PRIOR FILING DATE: 1997-11-21

```

```

: PRIOR APPLICATION NUMBER: US 60/031,338
: PRIOR FILING DATE: 1996-11-21
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 2
: LENGTH: 199
: TYPE: PRT
: ORGANISM: Rattus rattus
US-10-264-372-2

Query Match
Best local Similarity 57.9%; Score 572.5; DB 6; Length 199;
Matches 117; Conservative 21; Mismatches 34; Indels 3; Gaps 2;

QY 1 MATLYVEKEIEEPITPAVAKVTLKEESPISKALGISVLTPEFGKYDAPSAIPKAT 60
DB 1 MATLYVKEKNCNPGIIVANIKELKSGSPSKALGSGVSTPEFGKYPAPLIPKAT 60
QY 61 KRALGVNATKESVKYNPPKQKPPSPSAKMKTEKYTKTSSVPAQNDVPEIEKPEPF 120
DB 61 PRAIVTNVATKESVKYNPPKQKPPSPSAKMKTEKYTKTSSVPAQNDVPEIEKPEPF 120
QY 121 NLDEPESFDLPERRQIAHLPLSGVPLMLIDEGSELEKIFQUGPSPVKMSPWME 175
DB 121 NLDEPESFDLPERRQIAHLPLSGVPLMLIDEGSELEKIFQUGPSPVKMSPWME 172

RESULT 10
US-10-283-771-2
: Sequence 2, Application US/10283771
: GENERAL INFORMATION:
: APPLICANT: Cedars Sinai Medical Center (Assignee);
: APPLICANT: Gregory A. Horwitz (Inventor);
: APPLICANT: Xun Zhang (Inventor);
: APPLICANT: Shlomo Melmed (Inventor);
: TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)
: TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to
: TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
: FILE REFERENCE: CEDAR-044527
: CURRENT APPLICATION NUMBER: US-10-283,771
: PRIORITY FILING DATE: 2002-10-29
: PRIOR APPLICATION NUMBER: US-09/569,956
: PRIOR FILING DATE: 2000-05-12
: PRIOR APPLICATION NUMBER: US-08/894,251
: PRIOR FILING DATE: 1999-07-23
: PRIOR APPLICATION NUMBER: PCT/US97/21463
: PRIOR FILING DATE: 1997-11-21
: PRIOR APPLICATION NUMBER: US-60/031,338
: PRIOR FILING DATE: 1996-11-21
: NUMBER OF SEQ ID NOS: 19
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 2
: LENGTH: 199
: TYPE: PRT
: ORGANISM: Rattus rattus
US-10-283-771-2

```



```

RESULT 14
US-10-283-874 2
Sequence 2: Application US/10283874
GENERAL INFORMATION:
APPLICANT: Cedars Sinai Medical Center (Assignee);
APPLICANT: Gregory A. Horwitz (Inventor);
APPLICANT: Kun Zhang (Inventor);
TITLE OF INVENTION: Pituitary Tumor Transforming Gene (PTTG)
TITLE OF INVENTION: Carboxy-Terminal Peptides and Methods of Use Thereof to
TITLE OF INVENTION: Inhibit Neoplastic Cellular Proliferation and/or
FILE REFERENCE: CHAB 944527
CURRENT APPLICATION NUMBER: US/10/283 874
PRIOR FILING DATE: 2002-10-29
PRIOR APPLICATION NUMBER: US/09/569 956
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 08/894,251
PRIOR FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: US 09/033,723
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: US 50/031,318
PRIOR FILING DATE: 1996-11-21
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSto for Windows Version 4.0
SEQ ID NO: 2
LENGTH: 199
TYPE: PRT
ORGANISM: Rattus rattus
US-10-283-874-2

```

```

Query Match          57.9%; Score 572.5; DB 6; Length 199;
Best Local Similarity 66.9%; Pred. No. 1,3e+43;
Matches 117; Conservative 21; Mismatches 34; Indels 3; Gaps 2;

```

```

QY 1 MATLIVVDEKIGDSTIRVAKVYLKLESPPSTIKALDGIISQVLTPEFGKTYDAPSAIPKAT 60
    |||||...|||...|||...|||...|||...|||...|||...|||...|||...|||...
DB 1 MATLIVVDKINELHSGKLSAKDGIKGS--GVKALDGIKQVSTPRVGVKAP--GLPKAS 57

QY 61 KRALGVNPAFTKSVNTNPFKQKDPFSKAKKTEKTYKTKSSVPASDANPEIEKFFP 120
    |||||...|||...|||...|||...|||...|||...|||...|||...|||...|||...
DB 58 KRALGVNPAFTKSVNTNPFKQKDPFSKAKKTEKTYKTKSSVPASDANPEIEKFFP 117

QY 121 NLDPFSFDLPPEKROI AHIPLISGVPLMLIDDEGELKLPOLGPPSPVAKMSPPWF 175
    : |||||...|||...|||...|||...|||...|||...|||...|||...|||...|||...
DB 118 DPLDFSFPLPPEKROISLPLNVPMLINEEPGLEKLIHLDPSPDLKPLPWF 172

```

```

RESULT 15
US-10-264-372-5
Sequence 5: Application US/10264372
GENERAL INFORMATION:
APPLICANT: Anthony P. Henney (Inventor)
APPLICANT: Shlomo Melamed (Inventor)
TITLE OF INVENTION: Transgenic Cells Transfected with Pituitary
TITLE OF INVENTION: Tumor Transforming Gene (PTTG) Expression Vectors
FILE REFERENCE: 18810-82251
CURRENT APPLICATION NUMBER: US/10/264,372
PRIOR FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: US 09/854,326
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 09/777,422
PRIOR FILING DATE: 2001-02-05
PRIOR APPLICATION NUMBER: US 09/730,469
PRIOR FILING DATE: 2000-01-04
PRIOR APPLICATION NUMBER: US 09/687,911
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: US 09/569,956
PRIOR FILING DATE: 2000-05-12
PRIOR APPLICATION NUMBER: US 08/894,251
PRIOR FILING DATE: 1999-07-23
PRIOR APPLICATION NUMBER: PCT/US97/01463

```

```

PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: US 60/031,338
PRIOR FILING DATE: 1996-11-21
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSto for Windows Version 4.0
SEQ ID NO: 5
LENGTH: 194
TYPE: PRT
ORGANISM: Mus musculus
US-10-264-372-5

```

```

Query Match          54.9%; Score 542; DB 6; Length 194;
Best Local Similarity 64.6%; Pred. No. 6,5e+41;
Matches 113; Conservative 22; Mismatches 34; Indels 6; Gaps 3;

```

```

QY 1 MATLIVVDEKIGDSTIRVAKVYLKLESPPSTIKALDGIISQVLTPEFGKTYDAPSAIPKAT 60
    |||||...|||...|||...|||...|||...|||...|||...|||...|||...|||...
DB 1 MATLIVVDKINELHSGKLSAKDGIKGS--GVKALDGIKQVSTPRVGVKAP--AVPRAS 57

QY 61 KRALGVNPAFTKSVNTNPFKQKDPFSKAKKTEKTYKTKSSVPASDANPEIEKFFP 120
    |||||...|||...|||...|||...|||...|||...|||...|||...|||...|||...
DB 58 KRALGVNPAFTKSVNTNPFKQKDPFSKAKKTEKTYKTKSSVPASDANPEIEKFFP 117

QY 121 NLDPFSFDLPPEKROI AHIPLISGVPLMLIDDEGELKLPOLGPPSPVAKMSPPWF 175
    : |||||...|||...|||...|||...|||...|||...|||...|||...|||...|||...
DB 118 DPLDFSFPLPPEKROISLPLNVPMLINEEPGLEKLIHLDPSPDLKPLPWF 169

```

```

Search completed: December 27, 2002, 00:19:34
Job time : 34 secs

```